

**NO:** SD-105      **PRODUCT:** S8JX-G Power Supplies  
**DATE:** October 2017      **TYPE:** Discontinuation Notice

## S8JX-G Power Supplies will be Discontinued; Start New Projects with S8FS-G Series



**Discontinuation date: February 2019**

Note: Date is subject to change based on raw materials and components availability at the factory.

### Overview Summary

| Product Discontinuation                                                                                                                                                                                          | Recommended Replacement                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch Mode Power Supply<br><b>Model S8JX-G series</b><br>15/35/50/100/150W Models<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br><b>Model S8JX-G series</b><br>300W (5V) Model<br>600W (5V) Model | Switch Mode Power Supply<br><b>Model S8FS-G series</b><br>15/30/50/100/150W Models<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br><b>Model S8JX-P series</b><br>300W (5V) Model<br>600W (5V) Model |
| Mounting Bracket<br><b>Model S82Y-JX□□B</b><br><b>Model S82Y-JX□□F</b><br><b>Model S82Y-JX0□DIN</b>                                                                                                              | Mounting Bracket<br>No recommended replacement<br>No recommended replacement<br>No recommended replacement                                                                                                       |
| Terminal Cover<br><b>Model S82Y-JTC1</b><br><b>Model S82Y-JX-C□P</b>                                                                                                                                             | Terminal Cover<br>No recommended replacement<br>No recommended replacement                                                                                                                                       |
| Replacement Fan<br><b>Model S82Y-JXFAN</b>                                                                                                                                                                       | Replacement Fan<br>No recommended replacement                                                                                                                                                                    |



## Cautions on Applying Replacements

Dimensions are different.

- Wire connection is different.
- Mounting method is different.
- Start-up time takes longer.
- Output hold time takes shorter.
- Overcurrent protection characteristics are different.
- There are some Models which are not designed for parallel operation.
- There are some Models which have different cooling method.
- There are some Models which have different derating curve.
- The output capacity of the S8FS-G05005□□ is 40 W.
- The output capacity of the S8FS-G10005□□ is 80 W.
- The output capacity of the S8FS-G15005□□ is 105 W.

See the detail of differences on the following pages.

## Affected Parts

### DIN Rail mounting / Covered type

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| Model                   | Model                   |
| S8JX-G01505CD           | S8FS-G01505CD           |
| S8JX-G01512CD           | S8FS-G01512CD           |
| S8JX-G01515CD           | S8FS-G01515CD           |
| S8JX-G01524CD           | S8FS-G01524CD           |
| S8JX-G01548CD           | S8FS-G15048CD           |
| S8JX-G03505CD           | S8FS-G03005CD           |
| S8JX-G03512CD           | S8FS-G03012CD           |
| S8JX-G03515CD           | S8FS-G03015CD           |
| S8JX-G03524CD           | S8FS-G03024CD           |
| S8JX-G03548CD           | S8FS-G15048CD           |
| S8JX-G05005CD           | S8FS-G05005CD (*1)      |
| S8JX-G05012CD           | S8FS-G05012CD           |
| S8JX-G05024CD           | S8FS-G05024CD           |
| S8JX-G05048CD           | S8FS-G15048CD           |
| S8JX-G10005CD           | S8FS-G10005CD (*2)      |
| S8JX-G10012CD           | S8FS-G10012CD           |
| S8JX-G10024CD           | S8FS-G10024CD           |
| S8JX-G10048CD           | S8FS-G15048CD           |
| S8JX-G15005CD           | S8FS-G15005CD (*3)      |
| S8JX-G15012CD           | S8FS-G15012CD           |
| S8JX-G15024CD           | S8FS-G15024CD           |
| S8JX-G15048CD           | S8FS-G15048CD           |
| S8JX-G30005CD           | S8JX-P30005CD           |
| S8JX-G30012CD           | S8FS-G30012CD           |
| S8JX-G30024CD           | S8FS-G30024CD           |
| S8JX-G30048CD           | S8FS-G30048CD           |

\*1. The output capacity is 40 W.

\*2. The output capacity is 80 W.

\*3. The output capacity is 105 W.

## DIN Rail mounting / Open-frame type

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| Model                   | Model                   |
| S8JX-G01505D            | S8FS-G01505CD           |
| S8JX-G01512D            | S8FS-G01512CD           |
| S8JX-G01515D            | S8FS-G01515CD           |
| S8JX-G01524D            | S8FS-G01524CD           |
| S8JX-G01548D            | S8FS-G15048CD           |
| S8JX-G03505D            | S8FS-G03005CD           |
| S8JX-G03512D            | S8FS-G03012CD           |
| S8JX-G03515D            | S8FS-G03015CD           |
| S8JX-G03524D            | S8FS-G03024CD           |
| S8JX-G03548D            | S8FS-G15048CD           |
| S8JX-G05005D            | S8FS-G05005CD (*1)      |
| S8JX-G05012D            | S8FS-G05012CD           |
| S8JX-G05024D            | S8FS-G05024CD           |
| S8JX-G05048D            | S8FS-G15048CD           |
| S8JX-G10005D            | S8FS-G10005CD (*2)      |
| S8JX-G10012D            | S8FS-G10012CD           |
| S8JX-G10024D            | S8FS-G10024CD           |
| S8JX-G10048D            | S8FS-G15048CD           |
| S8JX-G15005D            | S8FS-G15005CD (*3)      |
| S8JX-G15012D            | S8FS-G15012CD           |
| S8JX-G15024D            | S8FS-G15024CD           |
| S8JX-G15048D            | S8FS-G15048CD           |

• There are not recommended products for open-frame type.

\*1. The output capacity is 40 W.

\*2. The output capacity is 80 W.

\*3. The output capacity is 105 W.

## Front Mounting / Covered Type

| Product discontinuation |             | Recommended replacement |                                              |
|-------------------------|-------------|-------------------------|----------------------------------------------|
| Model                   | Mounting    | Model                   | Front-mounting Bracket<br>(Order Separately) |
| S8JX-G01505C            | Side/Bottom | S8FS-G01505C            | —                                            |
|                         | Front       | S8FS-G01505CD           | S82Y-FSG-30F                                 |
| S8JX-G01512C            | Side/Bottom | S8FS-G01512C            | —                                            |
|                         | Front       | S8FS-G01512CD           | S82Y-FSG-30F                                 |
| S8JX-G01515C            | Side/Bottom | S8FS-G01515C            | —                                            |
|                         | Front       | S8FS-G01515CD           | S82Y-FSG-30F                                 |
| S8JX-G01524C            | Side/Bottom | S8FS-G01524C            | —                                            |
|                         | Front       | S8FS-G01524CD           | S82Y-FSG-30F                                 |
| S8JX-G01548C            | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G03505C            | Side/Bottom | S8FS-G03005C            | —                                            |
|                         | Front       | S8FS-G03005CD           | S82Y-FSG-30F                                 |
| S8JX-G03512C            | Side/Bottom | S8FS-G03012C            | —                                            |
|                         | Front       | S8FS-G03012CD           | S82Y-FSG-30F                                 |
| S8JX-G03515C            | Side/Bottom | S8FS-G03015C            | —                                            |
|                         | Front       | S8FS-G03015CD           | S82Y-FSG-30F                                 |
| S8JX-G03524C            | Side/Bottom | S8FS-G03024C            | —                                            |
|                         | Front       | S8FS-G03024CD           | S82Y-FSG-30F                                 |
| S8JX-G03548C            | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G05005C            | Side/Bottom | S8FS-G05005C (*1)       | —                                            |
|                         | Front       | S8FS-G05005CD (*1)      | S82Y-FSG-30F                                 |
| S8JX-G05012C            | Side/Bottom | S8FS-G05012C            | —                                            |
|                         | Front       | S8FS-G05012CD           | S82Y-FSG-30F                                 |
| S8JX-G05024C            | Side/Bottom | S8FS-G05024C            | —                                            |
|                         | Front       | S8FS-G05024CD           | S82Y-FSG-30F                                 |
| S8JX-G05048C            | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G10005C            | Side/Bottom | S8FS-G10005C (*2)       | —                                            |
|                         | Front       | S8FS-G10005CD (*2)      | S82Y-FSG-30F                                 |
| S8JX-G10012C            | Side/Bottom | S8FS-G10012C            | —                                            |
|                         | Front       | S8FS-G10012CD           | S82Y-FSG-30F                                 |
| S8JX-G10024C            | Side/Bottom | S8FS-G10024C            | —                                            |
|                         | Front       | S8FS-G10024CD           | S82Y-FSG-30F                                 |
| S8JX-G10048C            | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G15005C            | Side/Bottom | S8FS-G15005C (*3)       | —                                            |
|                         | Front       | S8FS-G15005CD (*3)      | S82Y-FSG-30F                                 |
| S8JX-G15012C            | Side/Bottom | S8FS-G15012C            | —                                            |
|                         | Front       | S8FS-G15012CD           | S82Y-FSG-30F                                 |
| S8JX-G15024C            | Side/Bottom | S8FS-G15024C            | —                                            |
|                         | Front       | S8FS-G15024CD           | S82Y-FSG-30F                                 |
| S8JX-G15048C            | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |

\*1. The output capacity is 40 W.

\*2. The output capacity is 80 W.

\*3. The output capacity is 105 W.

**Front Mounting / Covered Type continued**

| Product discontinuation |             | Recommended replacement |                                              |
|-------------------------|-------------|-------------------------|----------------------------------------------|
| Model                   | Mounting    | Model                   | Front-mounting Bracket<br>(Order Separately) |
| S8JX-G30005C            | Side/Bottom | S8JX-P30005N            | —                                            |
|                         | Front       | S8JX-P30005C            | —                                            |
| S8JX-G30012C            | Side/Bottom | S8FS-G30012C            | —                                            |
|                         | Front       | S8FS-G30012CD           | S82Y-FSG-30F                                 |
| S8JX-G30024C            | Side/Bottom | S8FS-G30024C            | —                                            |
|                         | Front       | S8FS-G30024CD           | S82Y-FSG-30F                                 |
| S8JX-G30048C            | Side/Bottom | S8FS-G30048C            | —                                            |
|                         | Front       | S8FS-G30048CD           | S82Y-FSG-30F                                 |
| S8JX-G60005C            | Side/Bottom | S8JX-P60005N            | —                                            |
|                         | Front       | S8JX-P60005C            | —                                            |
| S8JX-G60012C            | Side/Bottom | S8FS-G60012C            | —                                            |
|                         | Front       | S8FS-G60012CD           | S82Y-FSG-60F                                 |
| S8JX-G60024C            | Side/Bottom | S8FS-G60024C            | —                                            |
|                         | Front       | S8FS-G60024CD           | S82Y-FSG-60F                                 |
| S8JX-G60048C            | Side/Bottom | S8FS-G60048C            | —                                            |
|                         | Front       | S8FS-G60048CD           | S82Y-FSG-60F                                 |

**Front Mounting / Open-Frame Type**

| Product discontinuation |             | Recommended replacement |                                              |
|-------------------------|-------------|-------------------------|----------------------------------------------|
| Model                   | Mounting    | Model                   | Front-mounting Bracket<br>(Order Separately) |
| S8JX-G01505             | Side/Bottom | S8FS-G01505C            | —                                            |
|                         | Front       | S8FS-G01505CD           | S82Y-FSG-30F                                 |
| S8JX-G01512             | Side/Bottom | S8FS-G01512C            | —                                            |
|                         | Front       | S8FS-G01512CD           | S82Y-FSG-30F                                 |
| S8JX-G01515             | Side/Bottom | S8FS-G01515C            | —                                            |
|                         | Front       | S8FS-G01515CD           | S82Y-FSG-30F                                 |
| S8JX-G01524             | Side/Bottom | S8FS-G01524C            | —                                            |
|                         | Front       | S8FS-G01524CD           | S82Y-FSG-30F                                 |
| S8JX-G01548             | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G03505             | Side/Bottom | S8FS-G03005C            | —                                            |
|                         | Front       | S8FS-G03005CD           | S82Y-FSG-30F                                 |
| S8JX-G03512             | Side/Bottom | S8FS-G03012C            | —                                            |
|                         | Front       | S8FS-G03012CD           | S82Y-FSG-30F                                 |
| S8JX-G03515             | Side/Bottom | S8FS-G03015C            | —                                            |
|                         | Front       | S8FS-G03015CD           | S82Y-FSG-30F                                 |
| S8JX-G03524             | Side/Bottom | S8FS-G03024C            | —                                            |
|                         | Front       | S8FS-G03024CD           | S82Y-FSG-30F                                 |
| S8JX-G03548             | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G05005             | Side/Bottom | S8FS-G05005C (*1)       | —                                            |
|                         | Front       | S8FS-G05005CD (*1)      | S82Y-FSG-30F                                 |
| S8JX-G05012             | Side/Bottom | S8FS-G05012C            | —                                            |
|                         | Front       | S8FS-G05012CD           | S82Y-FSG-30F                                 |
| S8JX-G05024             | Side/Bottom | S8FS-G05024C            | —                                            |
|                         | Front       | S8FS-G05024CD           | S82Y-FSG-30F                                 |

There are not recommended products for open-frame type

\*1. The output capacity is 40 W.

| Product discontinuation |             | Recommended replacement |                                              |
|-------------------------|-------------|-------------------------|----------------------------------------------|
| Model                   | Mounting    | Model                   | Front-mounting Bracket<br>(Order Separately) |
| S8JX-G05048             | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G10005             | Side/Bottom | S8FS-G10005C (*2)       | —                                            |
|                         | Front       | S8FS-G10005CD (*2)      | S82Y-FSG-30F                                 |
| S8JX-G10012             | Side/Bottom | S8FS-G10012C            | —                                            |
|                         | Front       | S8FS-G10012CD           | S82Y-FSG-30F                                 |
| S8JX-G10024             | Side/Bottom | S8FS-G10024C            | —                                            |
|                         | Front       | S8FS-G10024CD           | S82Y-FSG-30F                                 |
| S8JX-G10048             | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |
| S8JX-G15005             | Side/Bottom | S8FS-G15005C (*3)       | —                                            |
|                         | Front       | S8FS-G15005CD (*3)      | S82Y-FSG-30F                                 |
| S8JX-G15012             | Side/Bottom | S8FS-G15012C            | —                                            |
|                         | Front       | S8FS-G15012CD           | S82Y-FSG-30F                                 |
| S8JX-G15024             | Side/Bottom | S8FS-G15024C            | —                                            |
|                         | Front       | S8FS-G15024CD           | S82Y-FSG-30F                                 |
| S8JX-G15048             | Side/Bottom | S8FS-G15048C            | —                                            |
|                         | Front       | S8FS-G15048CD           | S82Y-FSG-30F                                 |

There are no recommended products for open-frame type

\*1. The output capacity is 40 W.

\*2. The output capacity is 80 W.

\*3. The output capacity is 105 W.

### Accessories and Spare Parts (Sold separately)

| Product discontinuation | Recommended replacement    |
|-------------------------|----------------------------|
| S82Y-JX03B              | No recommended replacement |
| S82Y-JX05B              | No recommended replacement |
| S82Y-JX10B              | No recommended replacement |
| S82Y-JX15B              | No recommended replacement |
| S82Y-JX15F              | No recommended replacement |
| S82Y-JX30B              | No recommended replacement |
| S82Y-JX30F              | No recommended replacement |
| S82Y-JX60B              | No recommended replacement |
| S82Y-JX60F              | No recommended replacement |
| S82Y-JX01DIN            | No recommended replacement |
| S82Y-JX02DIN            | No recommended replacement |
| S82Y-JX03DIN            | No recommended replacement |
| S82Y-JTC1               | No recommended replacement |
| S82Y-JX-C4P             | No recommended replacement |
| S82Y-JX-C5P             | No recommended replacement |
| S82Y-JXFAN              | No recommended replacement |

• Following attachments will be end of life due to S8JX-G series discontinuation.

S82Y-J00F

S82Y-J30F

# Detail of Differences

## Terminal Arrangement / Wire Connection

## Product discontinuation Model S8JX-G series

### <15W,35W,50W,100W,150W Models>

**Note:** The S8JX-G05024CD is shown above.

**Note:** The S8JX-G15005C is shown above.

| No. | Name                               | Function                                                                                                           |
|-----|------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (-V), (+V)     | Connect the load lines to these terminals.                                                                         |
| 2   | AC Input Terminals (L), (N)        | Connect the input lines to these terminals. #1                                                                     |
| 3   | Protective Earth Terminal (PE) (⊕) | Connect the ground line to these terminals. #2                                                                     |
| 4   | Output Voltage Adjuster (V. ADJ)   | It is possible to increase or decrease the output voltage.                                                         |
| 5   | Output Indicator (DC ON: Green)    | Lights green while a direct current (DC) output is ON.                                                             |
| 6   | Input voltage switch               | Switches the internal circuits according to the input voltage.<br>"115V": 100 to 120 VAC<br>"230V": 200 to 240 VAC |

\*1. The fuse is located on the (L) side. It is NOT user-replaceable. For a DC power input, connect the low side to the positive (+) terminal.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

## Recommended replacement Model S8FS-G series

### <15W,30W,50W,100W,150W Models>

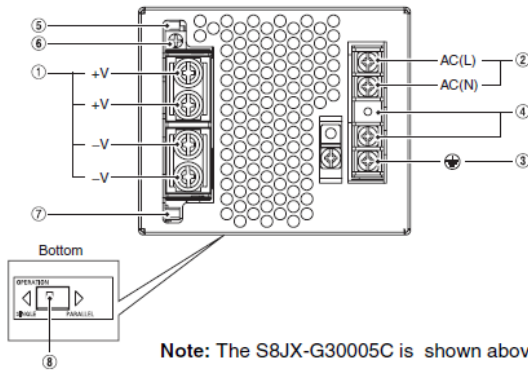
| No.  | Terminal name | Name                            | Function                                                       |
|------|---------------|---------------------------------|----------------------------------------------------------------|
| (1)  | L             | Input terminals                 | Connect the input lines to these terminals. #1                 |
| (2)  | N             | Input terminals                 | Connect the input lines to these terminals. #1                 |
| (3)  | PE            | Protective Earth terminal (⊕)   | Connect the ground line to this terminal. #2                   |
| (4)  | +V1           | DC output terminals             | Connect the load lines to these terminals.                     |
| (5)  | +V2           | DC output terminals             | Connect the load lines to these terminals.                     |
| (6)  | -V1           | DC output terminals             | Connect the load lines to these terminals.                     |
| (7)  | -V2           | DC output terminals             | Connect the load lines to these terminals.                     |
| (8)  | ---           | Output indicator (DC ON: green) | Lights while a direct current (DC) output is ON.               |
| (9)  | ---           | Output voltage adjuster (V.ADJ) | Use to adjust the voltage.                                     |
| (10) | +RC           | Remote control terminals        | Wire for remote control.                                       |
| (11) | -RC           | Remote control terminals        | Wire for remote control.                                       |
| (12) | ---           | Parallel operation switch       | To operate in parallel, set the switch to the "PARALLEL" side. |

\*1. The fuse is located on the (L) side. It is not user-replaceable. For a DC input, connect the positive voltage to the L terminal.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

**Product discontinuation**  
**Model S8JX-G series**

**<300W (12V) Model>**



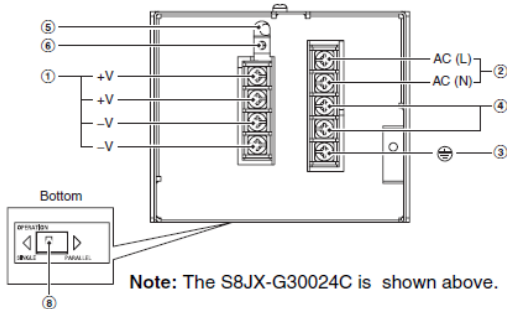
| No. | Name                                     | Function                                                                                                                                                    |
|-----|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (+V), (-V)           | Connect the load lines to these terminals.                                                                                                                  |
| 2   | AC Input Terminals (L), (N)              | Connect the input lines to these terminals. *1                                                                                                              |
| 3   | Protective Earth Terminal (PE) (⊕)       | Connect the ground line to these terminals. *2                                                                                                              |
| 4   | Input Voltage Selector Terminals         | Short-circuit the terminals if the input is 100 to 120 VAC and open the terminals if the input is 200 to 240 VAC.                                           |
| 5   | Output Indicator (DC ON: Green)          | Lights green while a direct current (DC) output is ON.                                                                                                      |
| 6   | Output Voltage Adjuster (V. ADJ)         | It is possible to increase or decrease the output voltage.                                                                                                  |
| 7   | Protection-ON Alarm Indicator (ALM: Red) | The red indicator will be lit if the overvoltage or overheat protection circuit is triggered. This indicator will also be lit when overload is detected. *3 |
| 8   | Selector of Parallel Operation           | Set the selector to PARALLEL if the Units are in parallel operation.                                                                                        |

\*1. The fuse is located on the (L) side. It is NOT user-replaceable.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

\*3. This is not applicable to 24-V and 48-V models.

**<300W (24V,48V) Model>**



| No. | Name                                     | Function                                                                                                                                                    |
|-----|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (+V), (-V)           | Connect the load lines to these terminals.                                                                                                                  |
| 2   | AC Input Terminals (L), (N)              | Connect the input lines to these terminals. *1                                                                                                              |
| 3   | Protective Earth Terminal (PE) (⊕)       | Connect the ground line to these terminals. *2                                                                                                              |
| 4   | Input Voltage Selector Terminals         | Short-circuit the terminals if the input is 100 to 120 VAC and open the terminals if the input is 200 to 240 VAC.                                           |
| 5   | Output Indicator (DC ON: Green)          | Lights green while a direct current (DC) output is ON.                                                                                                      |
| 6   | Output Voltage Adjuster (V. ADJ)         | It is possible to increase or decrease the output voltage.                                                                                                  |
| 7   | Protection-ON Alarm Indicator (ALM: Red) | The red indicator will be lit if the overvoltage or overheat protection circuit is triggered. This indicator will also be lit when overload is detected. *3 |
| 8   | Selector of Parallel Operation           | Set the selector to PARALLEL if the Units are in parallel operation.                                                                                        |

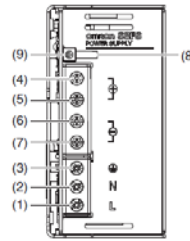
\*1. The fuse is located on the (L) side. It is NOT user-replaceable.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

\*3. This is not applicable to 24-V and 48-V models.

**Recommended replacement**  
**Model S8FS-G series**

**<300W (12V,24V,48V) Models>**



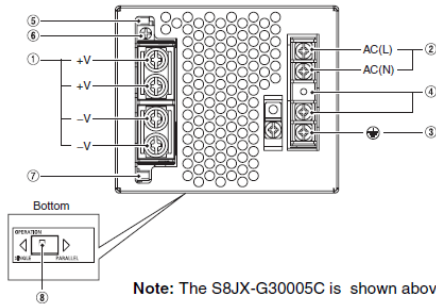
| No.  | Terminal name | Name                            | Function                                                       |
|------|---------------|---------------------------------|----------------------------------------------------------------|
| (1)  | L             | Input terminals                 | Connect the input lines to these terminals. *1                 |
| (2)  | N             |                                 |                                                                |
| (3)  | PE            | Protective Earth terminal (⊕)   | Connect the ground line to this terminal. *2                   |
| (4)  | +V1           | DC output terminals             | Connect the load lines to these terminals.                     |
| (5)  | +V2           |                                 |                                                                |
| (6)  | -V1           |                                 |                                                                |
| (7)  | -V2           |                                 |                                                                |
| (8)  | ---           | Output indicator (DC ON: green) | Lights while a direct current (DC) output is ON.               |
| (9)  | ---           | Output voltage adjuster (V.ADJ) | Use to adjust the voltage.                                     |
| (10) | +RC           | Remote control terminals        | Wire for remote control.                                       |
| (11) | -RC           |                                 |                                                                |
| (12) | ---           | Parallel operation switch       | To operate in parallel, set the switch to the "PARALLEL" side. |

\*1. The fuse is located on the (L) side. It is not user-replaceable. For a DC input, connect the positive voltage to the L terminal.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

**Product discontinuation**  
**Model S8JX-G series**

**<300W (5V) Model>**



| No. | Name                                     | Function                                                                                                                                                    |
|-----|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (+V), (-V)           | Connect the load lines to these terminals.                                                                                                                  |
| 2   | AC Input Terminals (L), (N)              | Connect the input lines to these terminals. *1                                                                                                              |
| 3   | Protective Earth Terminal (PE) (⊕)       | Connect the ground line to these terminals. *2                                                                                                              |
| 4   | Input Voltage Selector Terminals         | Short-circuit the terminals if the input is 100 to 120 VAC and open the terminals if the input is 200 to 240 VAC.                                           |
| 5   | Output Indicator (DC ON: Green)          | Lights green while a direct current (DC) output is ON.                                                                                                      |
| 6   | Output Voltage Adjuster (V. ADJ)         | It is possible to increase or decrease the output voltage.                                                                                                  |
| 7   | Protection-ON Alarm Indicator (ALM: Red) | The red indicator will be lit if the overvoltage or overheat protection circuit is triggered. This indicator will also be lit when overload is detected. *3 |
| 8   | Selector of Parallel Operation           | Set the selector to PARALLEL if the Units are in parallel operation.                                                                                        |

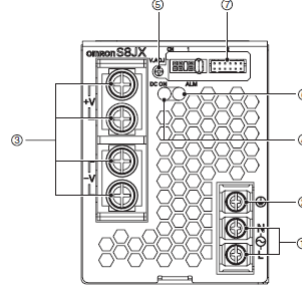
\*1. The fuse is located on the (L) side. It is NOT user-replaceable.

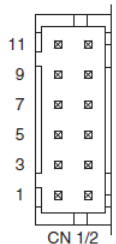
\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

\*3. This is not applicable to 24-V and 48-V models.

**Recommended replacement**  
**Model S8JX-P series**

**<300W (5V) Model>**



| No. | Name                               | Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Input Terminals (L), (N)           | Connect the input lines to these terminals. *1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2   | Protective Earth Terminal (PE) (⊕) | Connect the ground line to these terminals. *2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3   | DC Output Terminals (-V), (+V)     | Connect the load lines to these terminals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4   | Output Indicator (DC ON: Green)    | Lights green while a direct current (DC) output is ON.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5   | Output Voltage Adjuster (V. ADJ)   | It is possible to increase or decrease the output voltage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6   | Alarm indicator (ALM: Red)         | This lamp lights up at the time of output voltage deterioration or fan stoppage, and in standby mode by remote control function.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 7   | Signal output connector *3         | <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> 1: Output voltage monitor terminal (+V)<br/> 2: Remote sensing terminal (+S)<br/> 3: Output voltage monitor terminal (-V)<br/> 4: Remote sensing terminal (-S)<br/> 5: Current balance terminal (CB)<br/> 6: Current balance ground terminal (CBG)<br/> 7: Remote control terminal (+RC)<br/> 8: Remote control terminal (-RC)<br/> 9: (Not connected)<br/> 10: (Not connected)<br/> 11: Alarm detection output terminal (ALMC) (Collector side)<br/> 12: Alarm detection output terminal (ALME) (Emitter side) </div> </div> |

\*1. The fuse is located on the (L) side. Ensure that the (L) side is set to (+).

\*2. This is a PE (Protective Earth) terminal defined in safety standards and must be grounded.

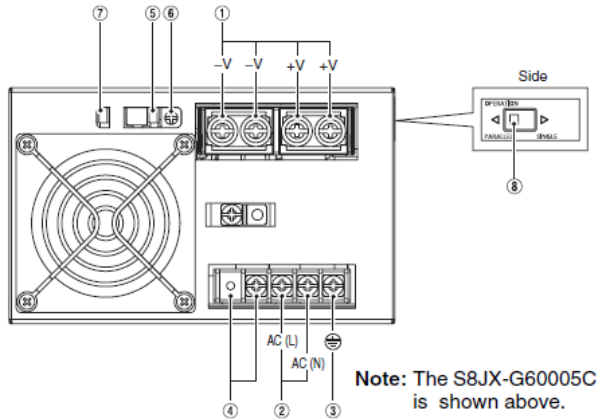
\*3. Signal input/output connectors are included as standard and implemented in the CN1 before shipment.

In this connector, the circuits of 1-2, 3-4, and 7-8 are shorted. Removal of the connector may deteriorate the output stability and accuracy, so be sure to perform the connection of +S and -S terminals.

Never connect a load to the output voltage monitor terminal (+V, -V).

**Product discontinuation**  
**Model S8JX-G series**

**<600W (5V) Model>**



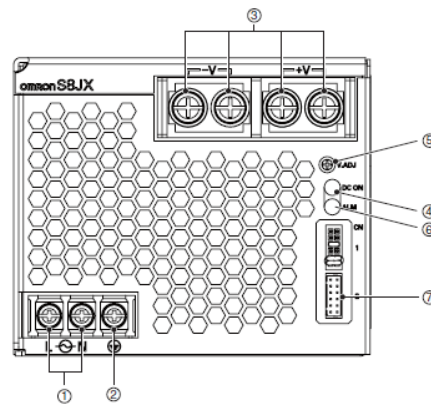
| No. | Name                                     | Function                                                                                                                                                 |
|-----|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (+V), (-V)           | Connect the load lines to these terminals.                                                                                                               |
| 2   | AC Input Terminals (L), (N)              | Connect the input lines to these terminals. *1                                                                                                           |
| 3   | Protective Earth Terminal (PE) (⊕)       | Connect the ground line to these terminals. *2                                                                                                           |
| 4   | Input Voltage Selector Terminals         | Short-circuit the terminals if the input is 100 to 120 VAC and open the terminals if the input is 200 to 240 VAC.                                        |
| 5   | Output Indicator (DC ON: Green)          | Lights green while a direct current (DC) output is ON.                                                                                                   |
| 6   | Output Voltage Adjuster (V. ADJ)         | It is possible to increase or decrease the output voltage.                                                                                               |
| 7   | Protection-ON Alarm Indicator (ALM: Red) | The red indicator will be lit if the overvoltage or overheat protection circuit is triggered. This indicator will also be lit when overload is detected. |
| 8   | Selector of Parallel Operation           | Set the selector to PARALLEL if the Units are in parallel operation.                                                                                     |

\*1. The fuse is located on the (L) side. It is NOT user-replaceable.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

**Recommended replacement**  
**Model S8JX-P series**

**<600W (5V) Model>**



| No. | Name                               | Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Input Terminals (L), (N)           | Connect the input lines to these terminals. *1                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2   | Protective Earth Terminal (PE) (⊕) | Connect the ground line to these terminals. *2                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3   | DC Output Terminals (-V), (+V)     | Connect the load lines to these terminals.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4   | Output Indicator (DC ON: Green)    | Lights green while a direct current (DC) output is ON.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5   | Output Voltage Adjuster (V. ADJ)   | It is possible to increase or decrease the output voltage.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6   | Alarm indicator (ALM: Red)         | This lamp lights up at the time of output voltage deterioration or fan stoppage, and in standby mode by remote control function.                                                                                                                                                                                                                                                                                                                                                          |
| 7   | Signal output connector *3         | 1: Output voltage monitor terminal (+V)<br>2: Remote sensing terminal (+S)<br>3: Output voltage monitor terminal (-V)<br>4: Remote sensing terminal (-S)<br>5: Current balance terminal (CB)<br>6: Current balance ground terminal (CBG)<br>7: Remote control terminal (+RC)<br>8: Remote control terminal (-RC)<br>9: (Not connected)<br>10: (Not connected)<br>11: Alarm detection output terminal (ALMC) (Collector side)<br>12: Alarm detection output terminal (ALME) (Emitter side) |

\*1. The fuse is located on the (L) side. Ensure that the (L) side is set to (+).

\*2. This is a PE (Protective Earth) terminal defined in safety standards and must be grounded.

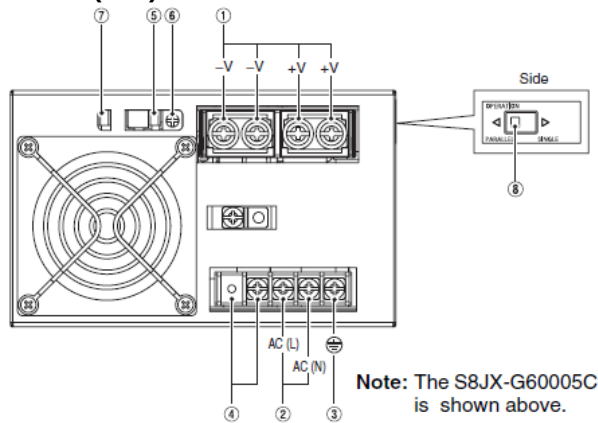
\*3. Signal input/output connectors are included as standard and implemented in the CN1 before shipment.

In this connector, the circuits of 1-2, 3-4, and 7-8 are shorted. Removal of the connector may deteriorate the output stability and accuracy, so be sure to perform the connection of +S and -S terminals.

Never connect a load to the output voltage monitor terminal (+V, -V).

**Product discontinuation**  
**Model S8JX-G series**

**<600W (12V) Model>**



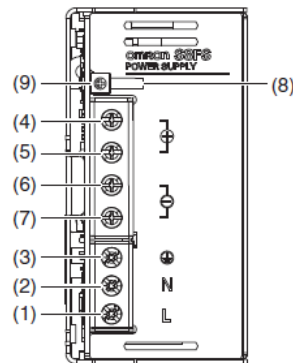
| No. | Name                                     | Function                                                                                                                                                 |
|-----|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (+V), (-V)           | Connect the load lines to these terminals.                                                                                                               |
| 2   | AC Input Terminals (L), (N)              | Connect the input lines to these terminals. #1                                                                                                           |
| 3   | Protective Earth Terminal (PE) (⊕)       | Connect the ground line to these terminals. #2                                                                                                           |
| 4   | Input Voltage Selector Terminals         | Short-circuit the terminals if the input is 100 to 120 VAC and open the terminals if the input is 200 to 240 VAC.                                        |
| 5   | Output Indicator (DC ON: Green)          | Lights green while a direct current (DC) output is ON.                                                                                                   |
| 6   | Output Voltage Adjuster (V. ADJ)         | It is possible to increase or decrease the output voltage.                                                                                               |
| 7   | Protection-ON Alarm Indicator (ALM: Red) | The red indicator will be lit if the overvoltage or overheat protection circuit is triggered. This indicator will also be lit when overload is detected. |
| 8   | Selector of Parallel Operation           | Set the selector to PARALLEL if the Units are in parallel operation.                                                                                     |

\*1. The fuse is located on the (L) side. It is NOT user-replaceable.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

**Recommended replacement**  
**Model S8FS-G series**

**<600W (12V,24V,48V) Models>**



| No.  | Terminal name | Name                            | Function                                                       |
|------|---------------|---------------------------------|----------------------------------------------------------------|
| (1)  | L             | Input terminals                 | Connect the input lines to these terminals. #1                 |
| (2)  | N             |                                 |                                                                |
| (3)  | PE            |                                 |                                                                |
| (4)  | +V1           | DC output terminals             | Connect the load lines to these terminals.                     |
| (5)  | +V2           |                                 |                                                                |
| (6)  | -V1           |                                 |                                                                |
| (7)  | -V2           | Output indicator (DC ON: green) | Lights while a direct current (DC) output is ON.               |
| (8)  | ---           |                                 |                                                                |
| (9)  | ---           |                                 |                                                                |
| (10) | +RC           | Remote control terminals        | Wire for remote control.                                       |
| (11) | -RC           |                                 |                                                                |
| (12) | ---           | Parallel operation switch       | To operate in parallel, set the switch to the "PARALLEL" side. |

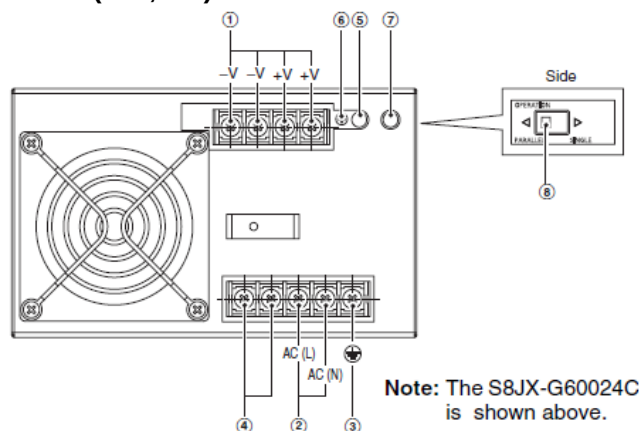
\*1. The fuse is located on the (L) side. It is not user-replaceable. For a DC input, connect the positive voltage to the L terminal.

\*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

**Product discontinuation  
Model S8JX-G series**

**Recommended replacement  
Model S8FS-G series**

**<600W (24V,48V) Models>**



| No. | Name                                     | Function                                                                                                                                                 |
|-----|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | DC Output Terminals (+V), (-V)           | Connect the load lines to these terminals.                                                                                                               |
| 2   | AC Input Terminals (L), (N)              | Connect the input lines to these terminals. *1                                                                                                           |
| 3   | Protective Earth Terminal (PE) (⊕)       | Connect the ground line to these terminals. *2                                                                                                           |
| 4   | Input Voltage Selector Terminals         | Short-circuit the terminals if the input is 100 to 120 VAC and open the terminals if the input is 200 to 240 VAC.                                        |
| 5   | Output Indicator (DC ON: Green)          | Lights green while a direct current (DC) output is ON.                                                                                                   |
| 6   | Output Voltage Adjuster (V. ADJ)         | It is possible to increase or decrease the output voltage.                                                                                               |
| 7   | Protection-ON Alarm Indicator (ALM: Red) | The red indicator will be lit if the overvoltage or overheat protection circuit is triggered. This indicator will also be lit when overload is detected. |
| 8   | Selector of Parallel Operation           | Set the selector to PARALLEL if the Units are in parallel operation.                                                                                     |

\*1. The fuse is located on the (L) side. It is NOT user-replaceable.

\*2. This is the protective earth terminal specified in the safety standards.  
Always ground this terminal.

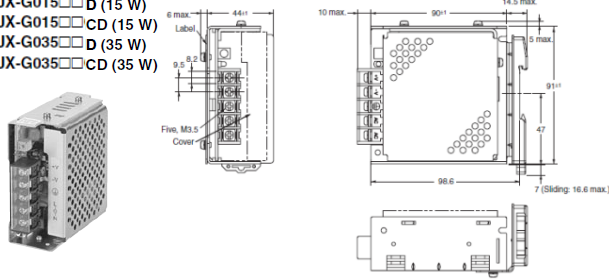
## Dimensions / Mounting Dimensions

### Product discontinuation Model S8JX-G series

#### <15W,35W Models>

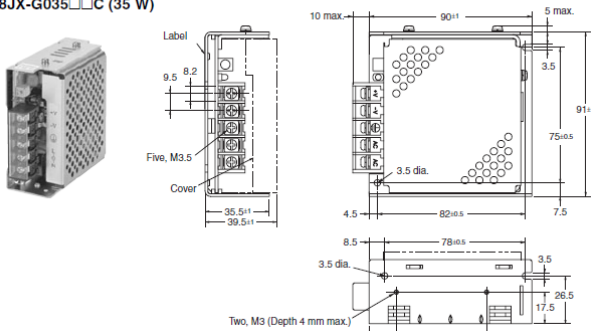
##### DIN Rail mounting

S8JX-G015□□D (15 W)  
S8JX-G015□□CD (15 W)  
S8JX-G035□□D (35 W)  
S8JX-G035□□CD (35 W)



##### Side mounting / Bottom mounting/ Front mounting (common)

S8JX-G015□□C (15 W)  
S8JX-G015□□C (15 W)  
S8JX-G035□□C (35 W)  
S8JX-G035□□C (35 W)



##### Side mounting / Bottom mounting

###### Panel mounting holes dimensions

|                 | Surface screw mounting      |
|-----------------|-----------------------------|
| Side Mounting   | Two, M3<br>75±0.5<br>82±0.5 |
| Bottom Mounting | Two, M3<br>78±0.5           |

##### Front mounting S82Y-J00F Front-mounting Bracket

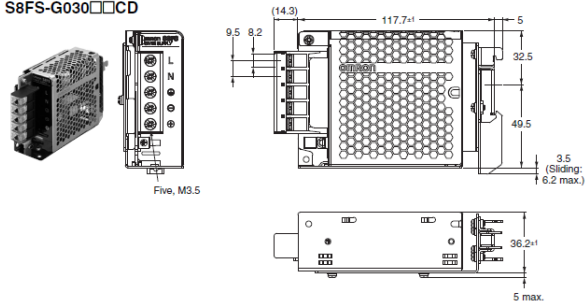
| Dimensions                                   | Mounting dimensions |
|----------------------------------------------|---------------------|
| <p>t = 1.0<br/>Material: Stainless steel</p> |                     |

### Recommended replacement Model S8FS-G series

#### <15W,30W Models>

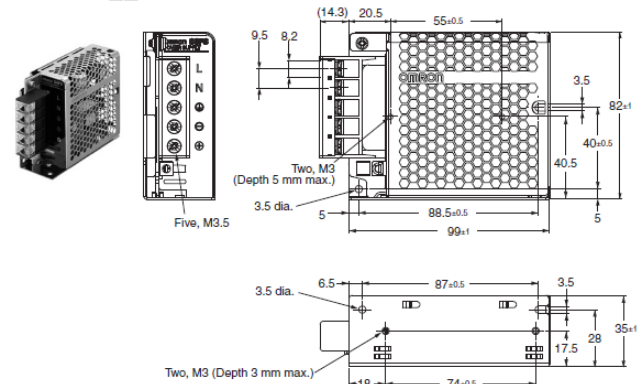
##### DIN Rail mounting

S8FS-G015□□CD  
S8FS-G030□□CD



##### Side mounting / Bottom mounting

S8FS-G015□□C  
S8FS-G030□□C



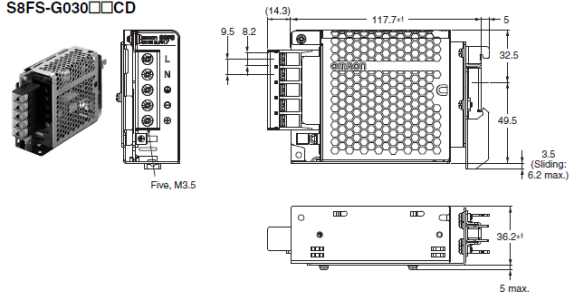
###### Panel mounting holes dimensions

|                 | Using the mounting holes in the Power Supply | Using the screw holes in the Power Supply |
|-----------------|----------------------------------------------|-------------------------------------------|
| Side Mounting   | Two, M3<br>88.5±0.5<br>40±0.5                | Two, 3.5 dia.<br>55±0.5                   |
| Bottom Mounting | Two, M3<br>87±0.5                            | Two, 3.5 dia.<br>74±0.5                   |

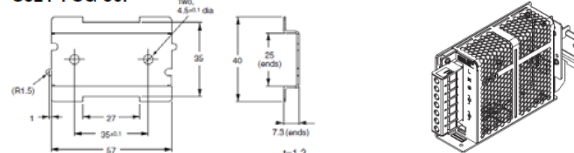
##### Front mounting

Available for front-mounting by the combination of DIN Rail-mounting type and front-mounting bracket (Model S82Y-FSG-30F).

S8FS-G015□□CD  
S8FS-G030□□CD



##### S82Y-FSG-30F

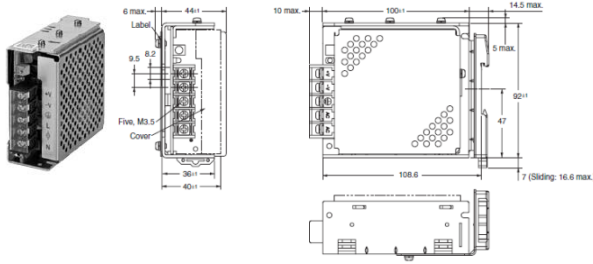


**Product discontinuation**  
**Model S8JX-G series**

**<50W Model>**

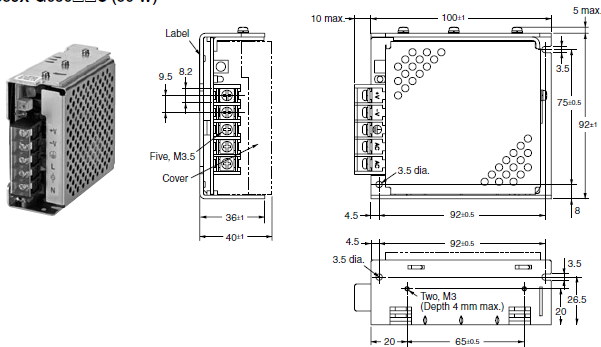
**DIN Rail mounting**

S8JX-G050□□D (50 W)  
S8JX-G050□□CD (50 W)



**Side mounting / Bottom mounting/  
Front mounting (common)**

S8JX-G050□□ (50 W)  
S8JX-G050□□C (50 W)



**Side mounting / Bottom mounting**

Panel mounting holes dimensions

|                 | Surface screw mounting      |
|-----------------|-----------------------------|
| Side Mounting   | Two, M3<br>75±0.5<br>92±0.5 |
| Bottom Mounting | Two, M3<br>92±0.5           |

**Front mounting**

**S82Y-J00F Front-mounting  
Bracket**

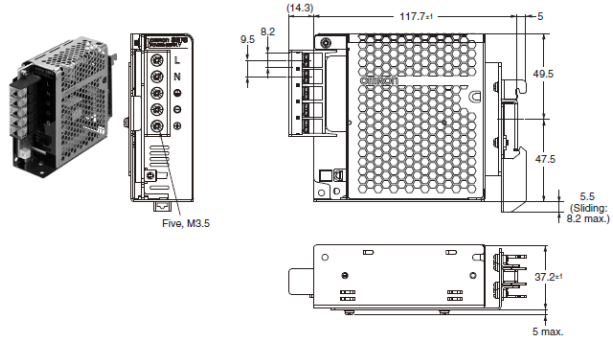
| Dimensions                                   | Mounting dimensions |
|----------------------------------------------|---------------------|
| <p>t = 1.0<br/>Material: Stainless steel</p> |                     |

**Recommended replacement**  
**Model S8FS-G series**

**<50W Model>**

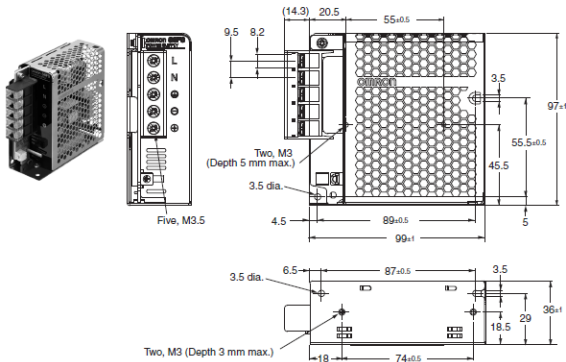
**DIN Rail mounting**

S8FS-G050□□CD



**Side mounting / Bottom mounting**

S8FS-G050□□C



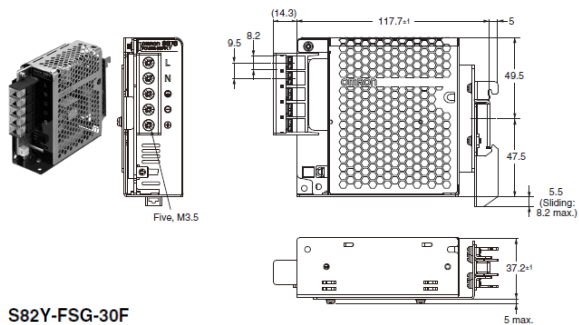
Panel mounting holes dimensions

|                 | Using the mounting holes in the Power Supply | Using the screw holes in the Power Supply |
|-----------------|----------------------------------------------|-------------------------------------------|
| Side Mounting   | Two, M3<br>55±0.5<br>89±0.5                  | Two, 3.5 dia.<br>55±0.5                   |
| Bottom Mounting | Two, M3<br>87±0.5                            | Two, 3.5 dia.<br>74±0.5                   |

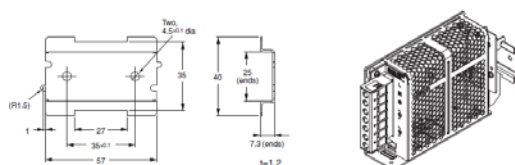
**Front mounting**

Available for front-mounting by the combination of  
DIN Rail-mounting type and front-mounting bracket  
(Model S82Y-FSG-30F).

S8FS-G050□□CD



S82Y-FSG-30F

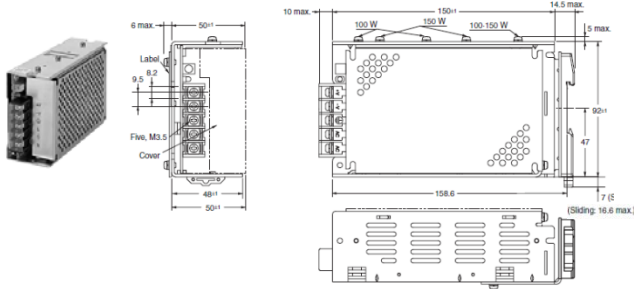


## Product discontinuation Model S8JX-G series

### <100W Model>

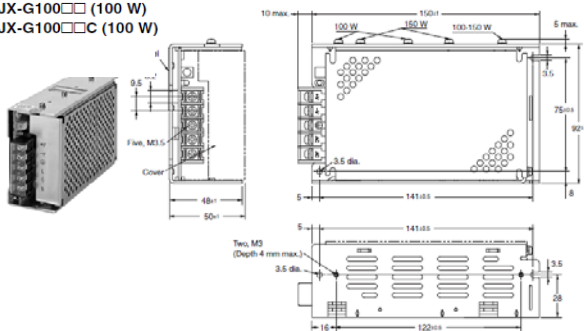
#### DIN Rail mounting

S8JX-G100□□D (100 W)  
S8JX-G100□□CD (100 W)



#### Side mounting / Bottom mounting/ Front mounting (common)

S8JX-G100□□ (100 W)  
S8JX-G100□□C (100 W)



#### Side mounting / Bottom mounting

##### Panel mounting holes dimensions

|                 | Surface screw mounting       |
|-----------------|------------------------------|
| Side Mounting   | Two, M3<br>75±0.5<br>141±0.5 |
| Bottom Mounting | Two, M3<br>141±0.5           |

#### Front mounting

#### S82Y-J00F Front-mounting Bracket

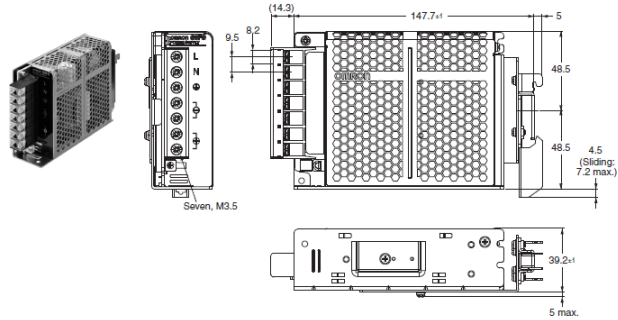
| Dimensions                                   | Mounting dimensions |
|----------------------------------------------|---------------------|
| <p>t = 1.0<br/>Material: Stainless steel</p> |                     |

## Recommended replacement Model S8FS-G series

### <100W Model>

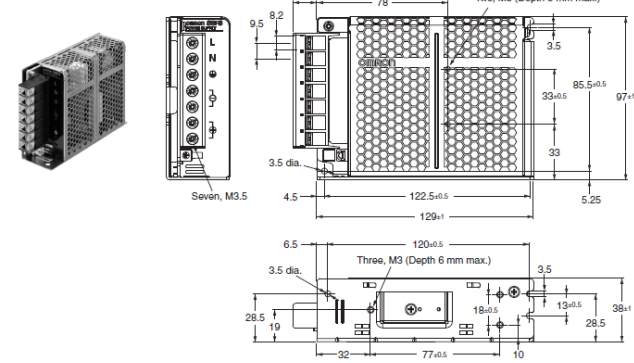
#### DIN Rail mounting

S8FS-G100□□CD



#### Side mounting / Bottom mounting

S8FS-G100□□C



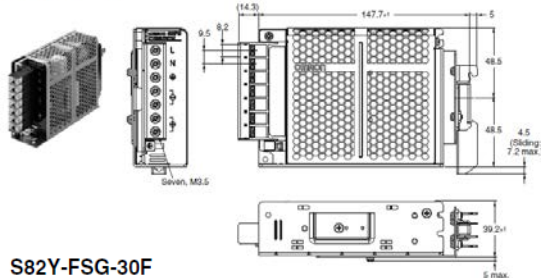
##### Panel mounting holes dimensions

|                 | Using the mounting holes in the Power Supply | Using the screw holes in the Power Supply    |
|-----------------|----------------------------------------------|----------------------------------------------|
| Side Mounting   | Two, M3<br>122.5±0.5                         | Two, 3.5 dia.<br>85.5±0.5<br>39±0.5          |
| Bottom Mounting | Three, M3<br>120±0.5                         | Three, 3.5 dia.<br>9±0.5<br>77±0.5<br>18±0.5 |

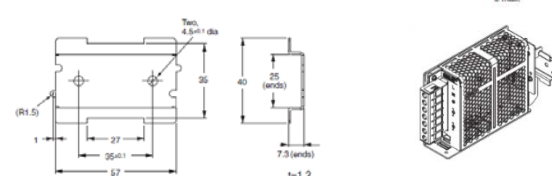
#### Front mounting

Available for front-mounting by the combination of  
DIN Rail-mounting type and front-mounting bracket  
(Model S82Y-FSG-30F).

S8FS-G100□□CD



S82Y-FSG-30F

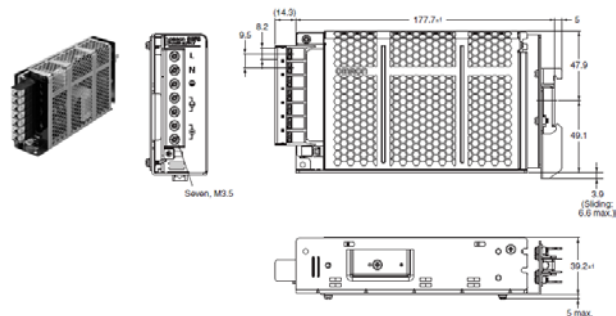


**Recommended replacement  
Model S8FS-G series**

### <150W (5V) Model>

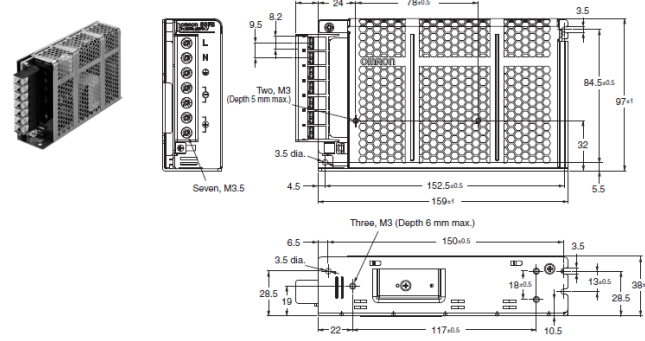
## DIN Rail mounting

S8FS-G150□□CD



## Side mounting / Bottom mounting

S8FS-G150□□C



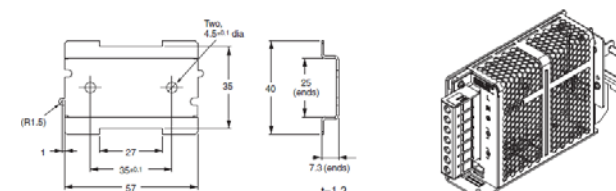
### Panel mounting holes dimensions

### Panel mounting holes dimensions

| Panel mounting holes dimensions |                                          | Using the screw holes in the Power Supply      |
|---------------------------------|------------------------------------------|------------------------------------------------|
| Side Mounting                   | <p>Two, M3<br/>152.5±0.3<br/>8.5±0.3</p> | <p>Two, 3.5 dia.<br/>78±0.3</p>                |
| Bottom Mounting                 | <p>Three, M3<br/>150±0.3<br/>13±0.3</p>  | <p>Three, 3.5 dia.<br/>117±0.3<br/>9.5±0.3</p> |

## Front mounting

Available for front-mounting by the combination of DIN Rail-mounting type and front-mounting bracket (Model S82Y-FSG-30F).



|                                                                       |
|-----------------------------------------------------------------------|
| <p><b>Product discontinuation</b><br/> <b>Model S8JX-G series</b></p> |
|-----------------------------------------------------------------------|

**Recommended replacement  
Model S8FS-G series**

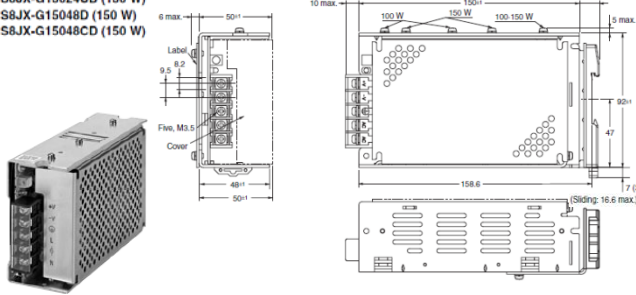
## 17

## Product discontinuation Model S8JX-G series

### <150W (24V,48V) Models>

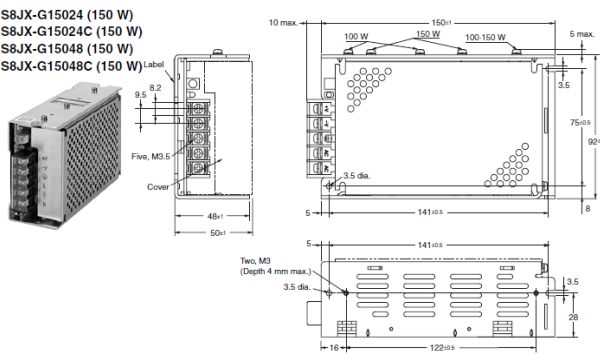
#### DIN Rail mounting

S8JX-G15024D (150 W)  
S8JX-G15024CD (150 W)  
S8JX-G15048D (150 W)  
S8JX-G15048CD (150 W)



### Side mounting / Bottom mounting/ Front mounting (common)

S8JX-G15024 (150 W)  
S8JX-G15024C (150 W)  
S8JX-G15048 (150 W)  
S8JX-G15048C (150 W)



### Side mounting / Bottom mounting

#### Panel mounting holes dimensions

|                 | Surface screw mounting       |
|-----------------|------------------------------|
| Side Mounting   | Two, M3<br>75±0.5<br>141±0.5 |
| Bottom Mounting | Two, M3<br>141±0.5           |

### Front mounting

#### S82Y-J00F Front-mounting Bracket

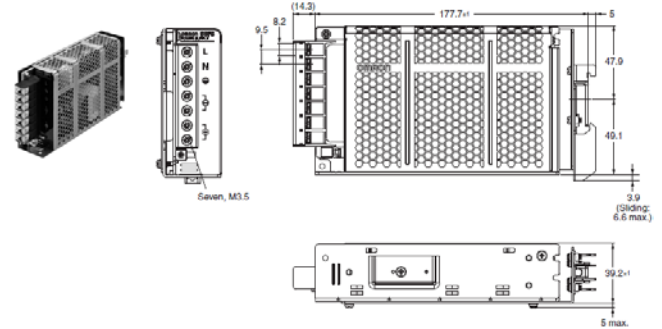
| Dimensions | Mounting dimensions |
|------------|---------------------|
|            |                     |

## Recommended replacement Model S8FS-G series

### <150W (24V,48V) Models>

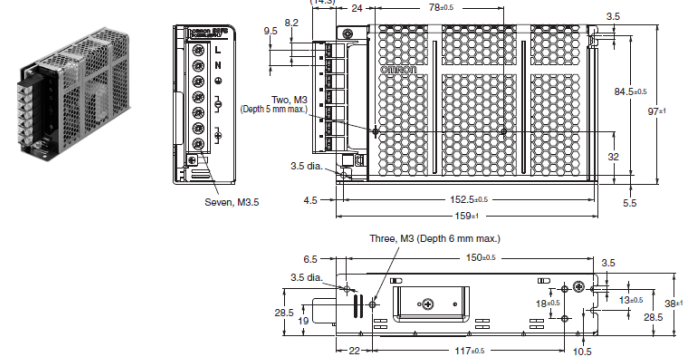
#### DIN Rail mounting

S8FS-G150□□CD



### Side mounting / Bottom mounting

S8FS-G150□□C



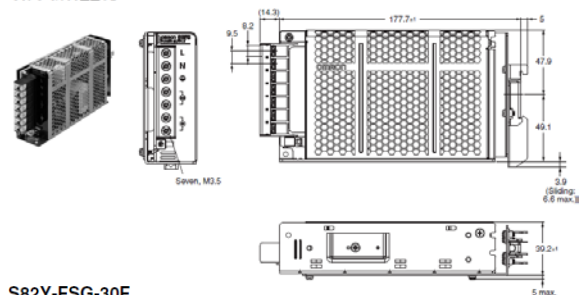
#### Panel mounting holes dimensions

|                 | Using the mounting holes in the Power Supply | Using the screw holes in the Power Supply |
|-----------------|----------------------------------------------|-------------------------------------------|
| Side Mounting   | Two, M3<br>152.5±0.5<br>84.5±0.5             | Two, 3.5 dia<br>78±0.5                    |
| Bottom Mounting | Three, M3<br>150±0.5<br>117±0.5              | Three, 3.5 dia<br>117±0.5                 |

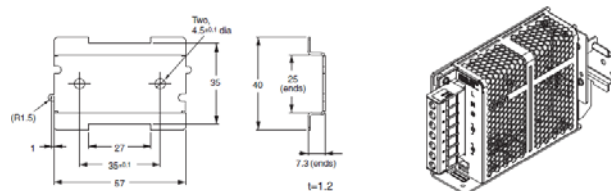
### Front mounting

Available for front-mounting by the combination of DIN Rail-mounting type and front-mounting bracket (Model S82Y-FSG-30F).

S8FS-G150□□CD



#### S82Y-FSG-30F



**300W (5V) Model>**  
DIN Rail mounting

[illegible]

Figure 1: Dimensions of the power supply unit. The figure includes a perspective view of the unit and three orthographic views (top, front, and side) with detailed dimensions. The top view shows a 110mm width and 136mm depth. The front view shows a 164.5mm width and 50mm height. The side view shows a 17mm thickness. Dimensions are given in millimeters (mm).

### Panel mounting holes dimensions

| Surface screw mounting |                                                    |
|------------------------|----------------------------------------------------|
| Side Mounting          | <p>Four, 4.5 dia.</p> <p>136±0.5</p> <p>50±0.5</p> |
| Bottom Mounting        | <p>Four, 4.5 dia.</p> <p>136±0.5</p> <p>90±0.5</p> |

**<300W (5V) Model>**  
DIN Rail mounting

**S&X-P3000 CD (300 W)**

Figure 1 shows the dimensions of the S&X-P3000 CD (300 W) unit. The unit is a 19-inch wide, 4.6-inch high, and 7.6-inch deep device. The front view shows a 19.1-inch wide unit with a height of 4.6 inches (including 12 mm of flanging). The side view shows a depth of 7.6 inches and a mounting bracket height of 3.1 inches. The top view shows a width of 19.1 inches and a depth of 7.6 inches. The unit is labeled 'S&X-P3000 CD (300 W)'.

Figure 1: Dimensions of the power supply unit. The figure includes a 3D perspective view of the power supply unit on the left and two 2D technical drawings on the right. The top 2D drawing is a front view showing the input/output terminals and mounting holes. The bottom 2D drawing is a side view showing the unit's profile and mounting holes. Dimensions are given in millimeters (mm).

**Front View Dimensions:**

- Overall width: 110 $\pm$ 0.5
- Overall height: 92 $\pm$ 1
- Mounting hole spacing (top): 26
- Mounting hole spacing (bottom): 13
- Terminal block spacing: 16
- Terminal block width: 10
- Terminal block height: 8.5
- Mounting hole diameter: Four, M4 (Depth 6 mm max.)
- Terminal block: Four, M5
- Terminal block: Three, M4

**Side View Dimensions:**

- Overall width: 120 $\pm$ 0.5
- Overall height: 46 $\pm$ 0.5
- Mounting hole spacing (top): 20
- Mounting hole spacing (bottom): 24.1
- Mounting hole diameter: Four, M4 (Depth 6 mm max.)
- Terminal block: Four, M4 (Depth 6 mm max.)
- Terminal block: 41.5 max.
- Terminal block: 35 $\pm$ 0.8
- Terminal block: 14

### Panel mounting holes dimensions

| Rear surface screw mounting |                                                    |
|-----------------------------|----------------------------------------------------|
| Standard Mounting           | <p>Four, 4.5 dia.</p> <p>120±0.5</p> <p>35±0.5</p> |
| Side Mounting               | <p>Four, 4.5 dia.</p> <p>110±0.5</p> <p>46±0.5</p> |

The following mounting methods can not be used.



**S8JX-P300□□ (300 W)**

Technical drawing of the S8JX-P300□□ (300 W) power supply unit. The drawing includes three views: a front view, a side view, and a rear view. The front view shows the input/output terminals and the main body. The side view shows the height and the mounting bracket. The rear view shows the mounting holes and the dimensions for the mounting bracket. Dimensions are given in millimeters (mm) and inches (in).

Dimensions (mm):

- Front view: 170.0, 26.15, 16, 113.5, 77.0, 41.45, 10, 13.0
- Side view: 70.1, 68.0, 4.5, 5
- Rear view: 214.3, 230.0 max.

Labels:

- Four M5
- Two 4.5 dia.
- Three M4

Panel mounting holes dimensions

| Rear surface screw |  |
|--------------------|--|
|                    |  |

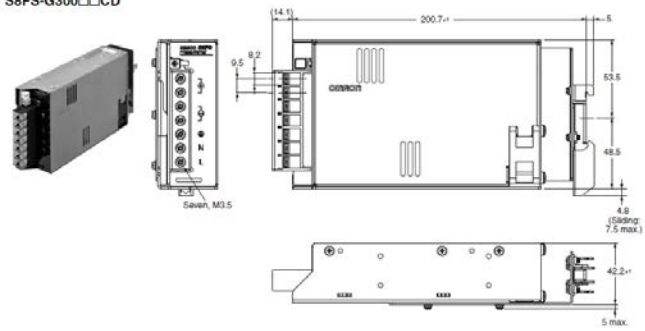
| Panel mounting holes dimensions |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
|                                 | Rear surface screw mounting                                               |
| Front Mounting                  | <p>Three, 4.5 dia.</p> <p>48mm</p> <p>48mm</p> <p>113.5mm</p> <p>48mm</p> |

**Recommended replacement  
Model S8FS-G series**

### <300W (12V) Model>

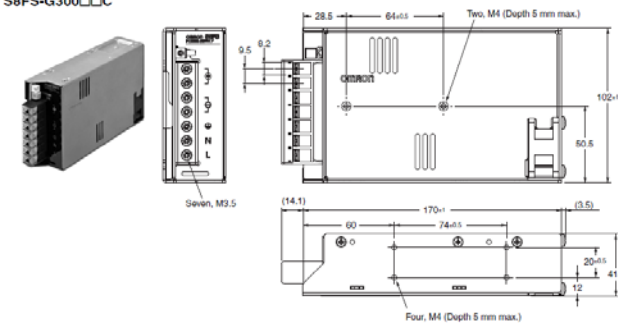
### DIN Rail mounting

S8FS-G300□□CD



Side mounting / Bottom mounting

S8FS-G300□□C



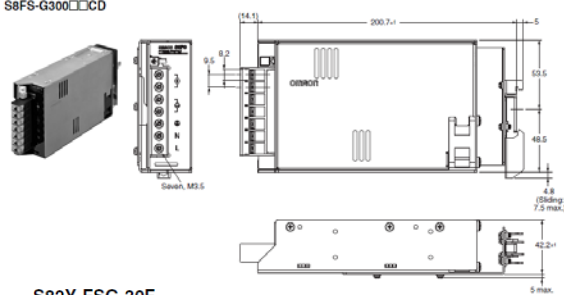
### Panel mounting holes dimensions

|                 | Using the screw holes in the Power Supply                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------|
| Side Mounting   | Two, 4.5 dia.<br>  |
| Bottom Mounting | Four, 4.5 dia.<br> |

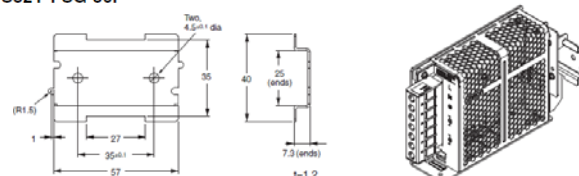
## Front mounting

Available for front-mounting by the combination of DIN Rail-mounting type and front-mounting bracket (Model S82Y-FSG-30F).

Š8FS-G300□□CD



S82Y-FSG-30F

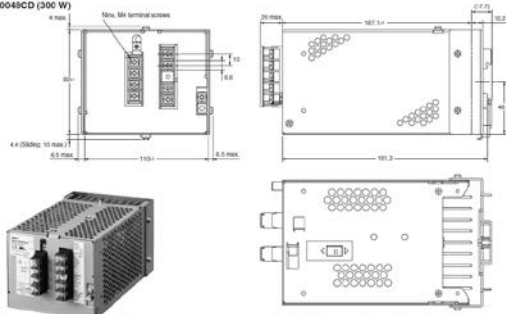


## Product discontinuation Model S8JX-G series

### <300W (24V,48V) Models>

#### DIN Rail mounting

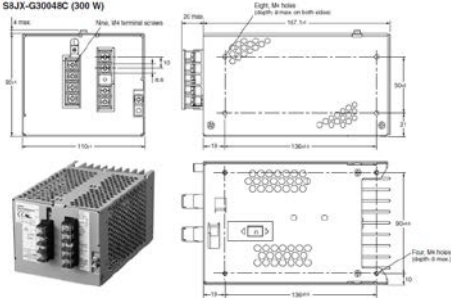
S8JX-G30024CD (300 W)  
S8JX-G30048CD (300 W)



Note: Use a metal DIN Rail when mounting a 300-W model to a DIN Rail.

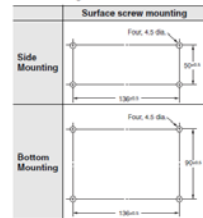
#### Side mounting / Bottom mounting/ Front mounting (common)

S8JX-G30024C (300 W)  
S8JX-G30048C (300 W)



#### Side mounting / Bottom mounting

Panel mounting holes dimensions

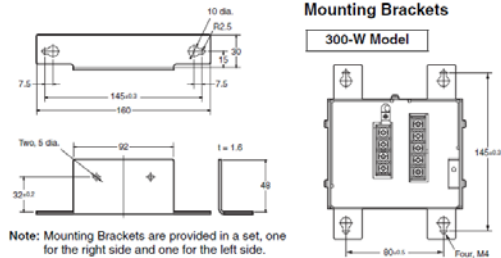


#### Front mounting

##### Front-mounting Bracket (S82Y-J30F)

Dimensions with  
Mounting Brackets

300-W Model



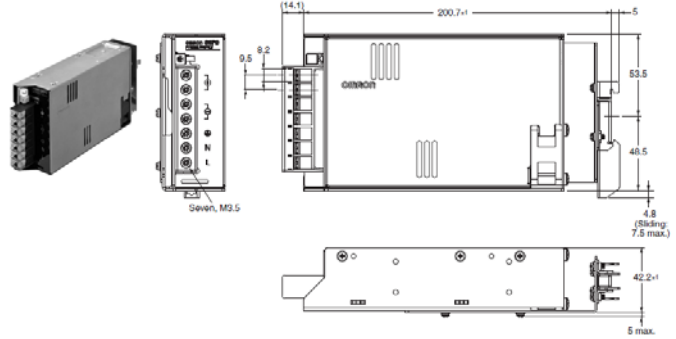
Note: Mounting Brackets are provided in a set, one for the right side and one for the left side.

## Recommended replacement Model S8FS-G series

### <300W (24V,48V) Models>

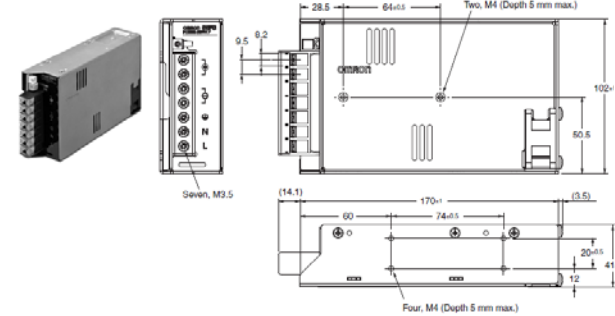
#### DIN Rail mounting

S8FS-G300□□CD



#### Side mounting / Bottom mounting

S8FS-G300□□C



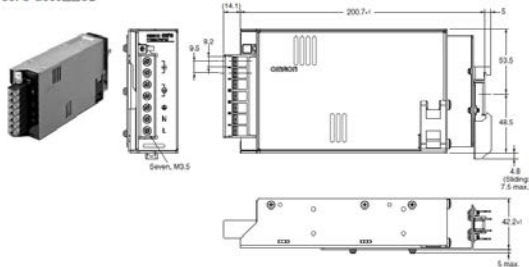
#### Panel mounting holes dimensions

|                    | Using the screw holes<br>in the Power Supply |
|--------------------|----------------------------------------------|
| Side<br>Mounting   | Two, 4.5 dia.<br>64±0.5                      |
| Bottom<br>Mounting | Four, 4.5 dia.<br>74±0.5<br>20±0.5           |

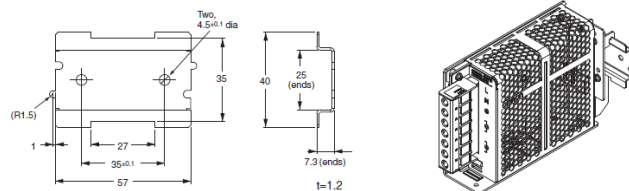
#### Front mounting

Available for front-mounting by the combination of  
DIN Rail-mounting type and front-mounting bracket  
(Model S82Y-FSG-30F).

S8FS-G300□□CD



#### S82Y-FSG-30F

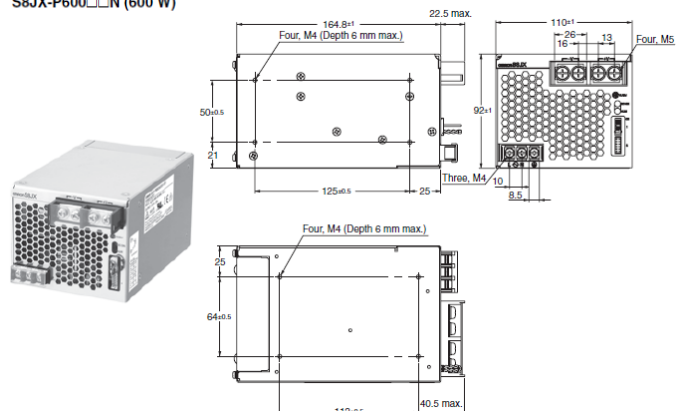


**Recommended replacement  
Model S8JX-P series**

### <600W (5V) Model>

### Bottom mounting

S8JX-P600□□N (600 W)



### Panel mounting holes dimensions

|  |                             |
|--|-----------------------------|
|  | Rear surface screw mounting |
|--|-----------------------------|

**Standard Mounting**

Four, 4.5 dia.

64mm ±0.5

112mm ±0.5

**Side Mounting**

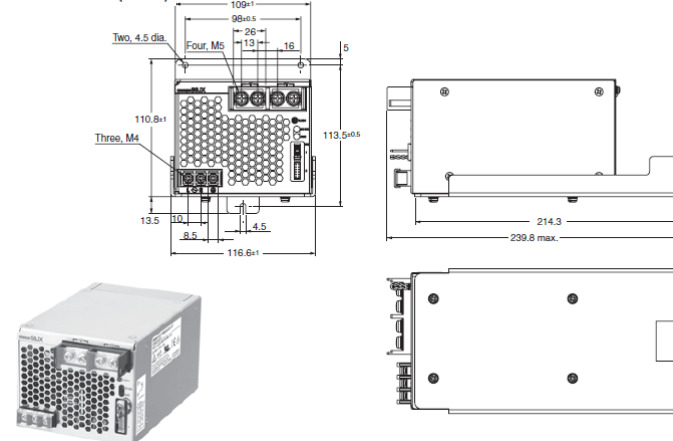
Four, 4.5 dia.

50mm ±0.5

125mm ±0.5

## Front mounting

S8JX-P600□□C (600 W)



### Panel mounting holes dimensions

**Rear surface screw mounting**

93±0.5

Three, 4.5 dia.

113.5±0.5

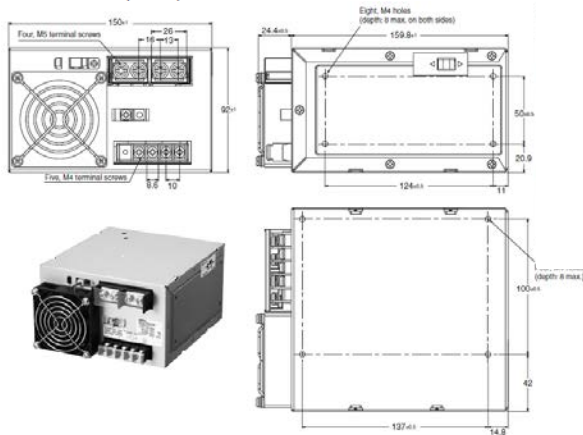
**Front Mounting**

**Product discontinuation**  
**Model S8JX-G series**

**<600W (12V) Model>**

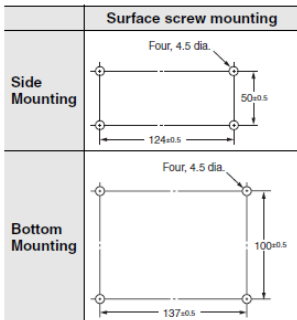
Side mounting / Bottom mounting/  
Front mounting (common)

**S8JX-G60012□ (600 W)**



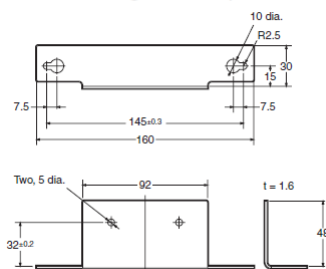
Side mounting / Bottom mounting

Panel mounting holes dimensions

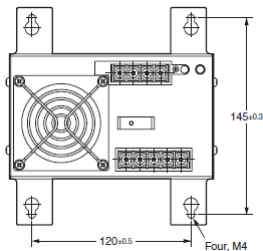


**Front mounting**

**Front-mounting Bracket (S82Y-J30F)**



**Note:** Mounting Brackets are provided in a set, one for the right side and one for the left side.

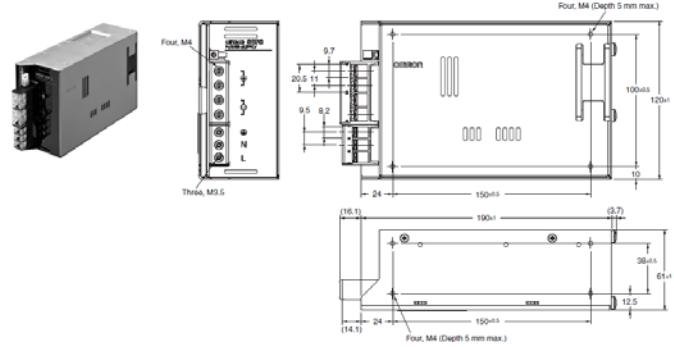


**Recommended replacement**  
**Model S8FS-G series**

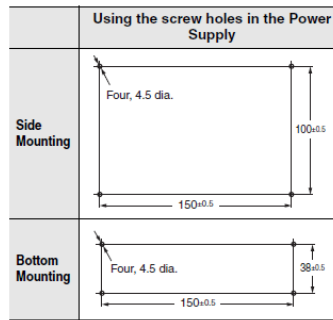
**<600W (12V) Model>**

Side mounting / Bottom mounting

**S8FS-G600□□C**



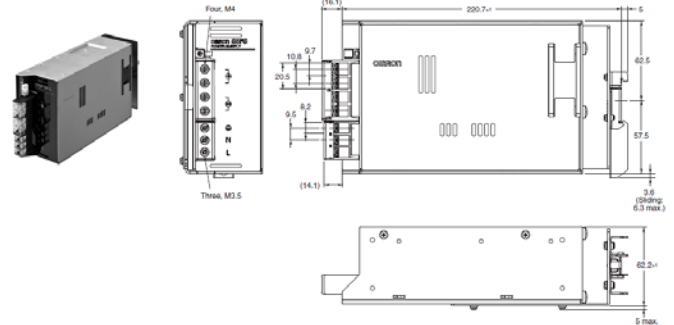
Panel mounting holes dimensions



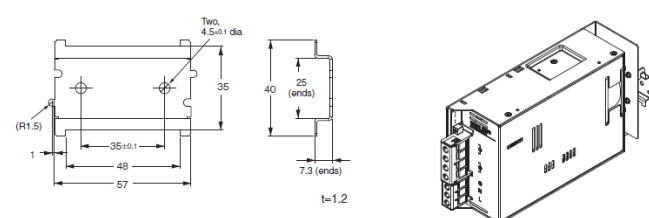
**Front mounting**

Available for front-mounting by the combination of  
DIN Rail-mounting type and front-mounting bracket  
(Model S82Y-FSG-60F).

**S8FS-G600□□CD**



**S82Y-FSG-60F**

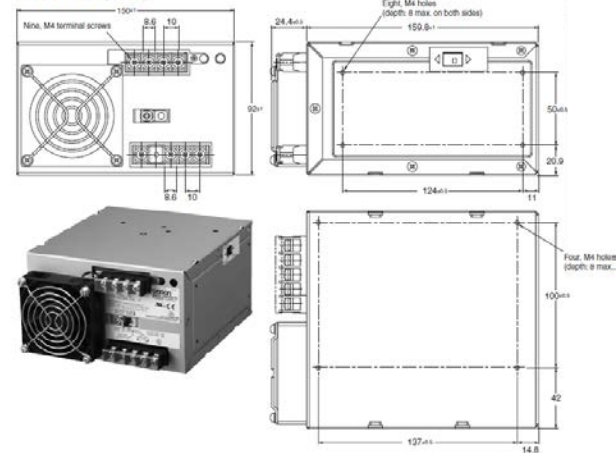


**Product discontinuation**  
**Model S8JX-G series**

**<600W (24V,48V) Models>**

Side mounting / Bottom mounting/  
Front mounting (common)

S8JX-G60024C (600 W)  
S8JX-G60048C (600 W)



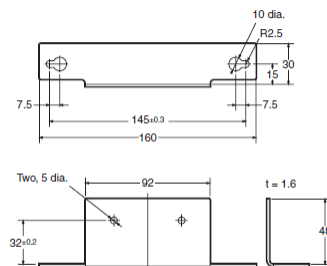
**Side mounting / Bottom mounting**

Panel mounting holes dimensions

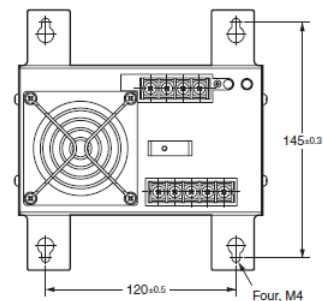
|                 | Surface screw mounting               |
|-----------------|--------------------------------------|
| Side Mounting   | Four, 4.5 dia.<br>50±0.5<br>124±0.5  |
| Bottom Mounting | Four, 4.5 dia.<br>100±0.5<br>137±0.5 |

**Front mounting**

Front-mounting Bracket (S82Y-J30F)



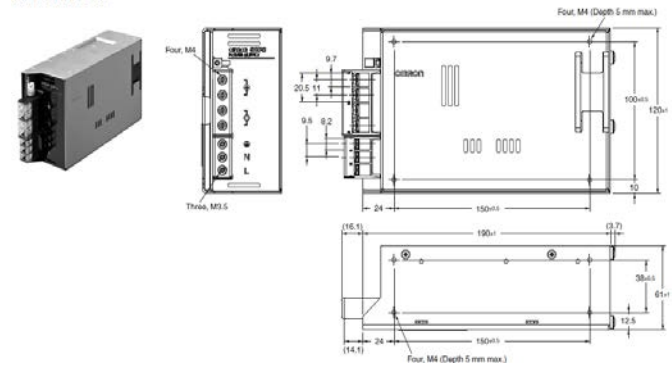
Note: Mounting Brackets are provided in a set, one for the right side and one for the left side.



**Recommended replacement**  
**Model S8FS-G series**

**<600W (24V,48V) Models>**

Side mounting / Bottom mounting  
S8FS-G600□□C



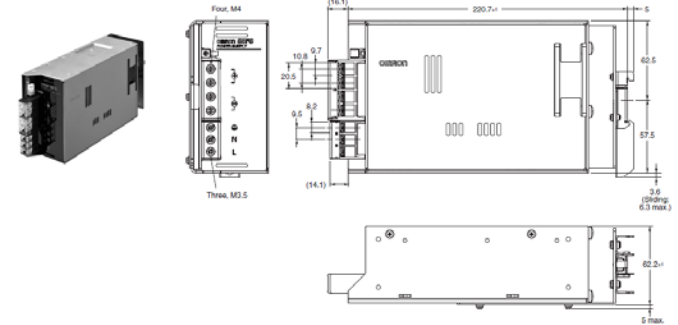
Panel mounting holes dimensions

|                 | Using the screw holes in the Power Supply |
|-----------------|-------------------------------------------|
| Side Mounting   | Four, 4.5 dia.<br>100±0.5<br>150±0.5      |
| Bottom Mounting | Four, 4.5 dia.<br>38±0.5<br>150±0.5       |

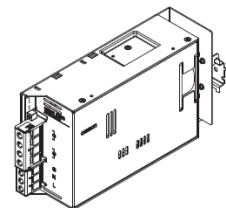
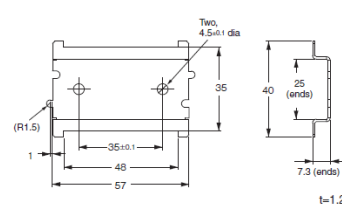
**Front mounting**

Available for front-mounting by the combination of  
DIN Rail-mounting type and front-mounting bracket  
(Model S82Y-FSG-60F).

S8FS-G600□□CD

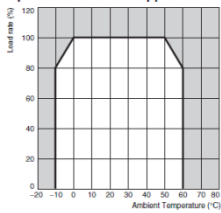
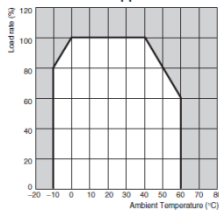
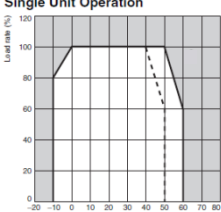
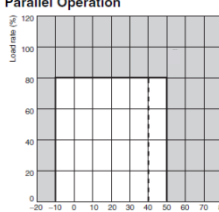
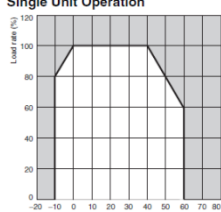
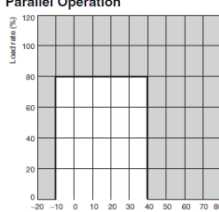
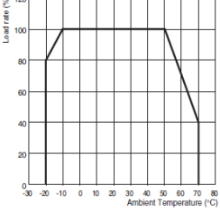
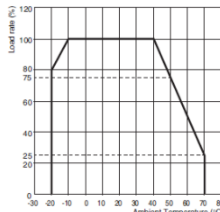
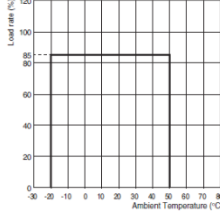


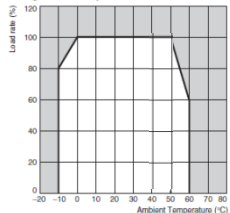
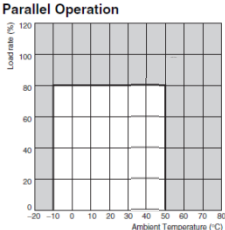
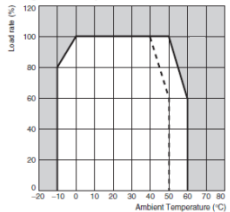
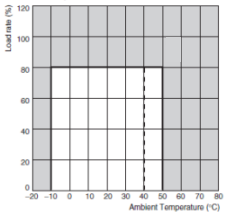
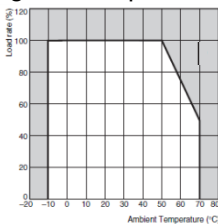
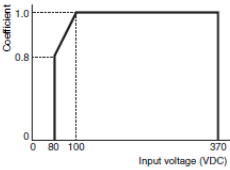
S82Y-FSG-60F



## Characteristics

| Item                       | Product discontinuation<br>Model S8JX-G series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Recommended replacement<br>Model S8FS-G series                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input voltage</b>       | 15W,35W,100W Models<br>150W (12V,24V,48V) Models<br>100 to 240VAC (85 to 264VAC) free input<br>80 to 370VDC<br>150W (5V) Model<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>100 to 120VAC (85 to 132VAC)/<br>200 to 240VAC (170 to 264VAC)<br>switching type                                                                                                                                                                                                                                         | 15W,30W,50W,100W,150W Models<br>300W (12V,24V,48V) Models<br>100 to 240VAC (85 to 264VAC) free input<br>120 to 370VDC<br>600W (12V,24V,48V) Models<br>100 to 240VAC (85 to 264VAC) free input<br>120 to 350VDC                                          |
| <b>Inrush current</b>      | 15W,35W,50W,100W,150W Models<br>20A max. (at 100VAC input)<br>40A max. (at 200VAC input)<br>300W (12V,24V,48V) Models<br>25A max. (at 100VAC input)<br>50A max. (at 200VAC input)<br>600W (12V,24V,48V) Models<br>30A max. (at 100VAC input)<br>60A max. (at 200VAC input)<br>*for cold start at 25°C                                                                                                                                                                                                                | 15W,30W,50W,100W,150W Models<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>14A typ. (at 100VAC input)<br>28A typ. (at 200VAC input)<br>* for cold start at 25°C                                                                          |
| <b>Start up time</b>       | 15W,35W,50W,100W,150W Models<br>600W (12V,24V,48V) Models<br>500ms max.<br>300W (12V,24V,48V) Models<br>650ms max.                                                                                                                                                                                                                                                                                                                                                                                                   | 15W,30W,50W,100W,150W Models<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>1000ms max.                                                                                                                                                   |
| <b>Output hold time</b>    | 15W,35W,50W,100W,150W Models<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>20ms min.                                                                                                                                                                                                                                                                                                                                                                                                                  | 15W,30W,50W,100W,150W Models<br>8ms min. (at 100VAC input)<br>16ms min. (at 200VAC input)<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>16ms min.                                                                                        |
| <b>Overload protection</b> | 15W,35W,50W,100W Models<br>150W (12V,24V,48V) Models<br>105 to 175% of rated load current, voltage drop, intermittent, automatic reset<br>150W (5V) Model<br>105 to 175% of rated load current, voltage drop, automatic reset<br>300W (24V,48V) Models<br>105 to 175% of rated load current, voltage drop, intermittent, automatic reset<br>300W (12V) Model<br>600W (12V,24V,48V) Models<br>105 to 175% of rated load current, inverted L voltage drop, the circuit will be shut OFF when the overload exceeds 5 s. | 15W,30W,50W,100W,150W Models<br>300W (12V,24V,48V) Models<br>105 to 160% of rated load current, voltage drop, intermittent, automatic reset<br>600W (12V,24V,48V) Models<br>105 to 160% of rated load current, inverted L voltage drop, automatic reset |

| Item               | Product discontinuation<br>Model S8JX-G series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Recommended replacement<br>Model S8FS-G series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parallel operation | 15W,35W,50W,100W,150W Models<br>No<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>Yes (up to 5 units)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15W,30W,50W,100W,150W Models<br>300W (12V,24V,48V) Models<br>600W (12V,48V) Models<br>No<br>600W (24V) Model<br>Yes (up to 5 units, (Model with parallel operation option) only).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cooling method     | 15W,35W,50W,100W,150W Models<br>300W (24V,48V) Models<br>Natural cooling<br>300W (12V),600W (12V,24V,48V) Models<br>Forced-air cooling by a built-in fan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15W,30W,50W,100W,150W Models<br>Natural cooling<br>300W (12V,24V,48V) Models<br>600W (12V,24V,48V) Models<br>Forced-air cooling by a built-in fan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Derating Curves    | <p>15W,35W,50W,100W,150W Models</p> <p><b>Open-frame Power Supplies</b></p>  <p><b>Covered Power Supplies</b></p>  <p><b>Note:</b> If there is a derating problem, use forced air-cooling.<br/>For Customers Using a DC Input<br/>When using an input voltage of less than 100 VDC, reduce the load calculated with the above derating curve by at least the following coefficients.<br/>35-W and 100-W (5-V or 12-V output) models: 0.8<br/>50-W and 150-W models: 0.85 (DC power cannot be input only to the S8JX-G1500S□□.)<br/>15-W and 100-W (24-V or 48-V output): 0.9</p> <p>300W (12V,24V,48V) Models<br/>600W (24V,48V) Models</p> <p><b>Single Unit Operation</b></p>  <p><b>Parallel Operation</b></p>  <p>— Solid line: Front-mounting, Bottom-mounting, DIN Rail mounting, Side mounting (300W 24V, 12V) 600W (24V, 48V Models)<br/>----- Dotted line: Side mounting (300W 24V, 48V Models)</p> <p>600W (12V) Model</p> <p><b>Single Unit Operation</b></p>  <p><b>Parallel Operation</b></p>  | <p>15W,30W,50W Models<br/>300W (12V,24V,48V) Models<br/>600W (12V,24V,48V) Models</p>  <p><b>Note:</b> At less than 100 VAC, derate the load at 1.3%/V.</p> <p>100W,150W Models</p>  <p><b>Note:</b> At less than 100 VAC, derate the load at 1.3%/V.</p> <p>600W (24V) Model<br/>With parallel operation function</p> <p><b>Parallel Operation</b><br/>For Models with Parallel Operation Option</p>  <p><b>Note:</b> At less than 100 VAC, derate the load at 1.3%/V.</p> |

| Item                       | Product discontinuation<br>Model S8JX-G series                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Recommended replacement<br>Model S8JX-P series                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input voltage</b>       | 300W (5V),600W (5V) Models<br>100 to 120 VAC (85 to 132 VAC)<br>200 to 240 VAC (170 to 264 VAC)<br>switching type                                                                                                                                                                                                                                                                                                                                                                                           | 300W (5V),600W (5V) Models<br>100 to 240VAC (85 to 264VAC) free input<br>120 to 370 VDC                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Inrush current</b>      | 300W (5V) Model<br>25A max. (at 100VAC input)<br>50A max. (at 200VAC input)<br>600W (5V) Model<br>30A max. (at 100VAC input)<br>60A max. (at 200VAC input)<br>*for cold start at 25°C                                                                                                                                                                                                                                                                                                                       | 300W (5V),600W (5V) Models<br>17.5A typ. ( at 100VAC input)<br>35A typ. ( at 200VAC input)<br>*for cold start at 25°C                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Start up time</b>       | 300W (5V) Model<br>650ms max.<br>600W (5V) Model<br>500ms max.                                                                                                                                                                                                                                                                                                                                                                                                                                              | 300W (5V),600W (5V) Models<br>1000ms max.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Output hold time</b>    | 300W (5V),600W (5V) Models<br>20ms min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 300W (5V),600W (5V) Models<br>20ms min.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Overload protection</b> | 300W (5V),600W (5V) Models<br>105 to 175% of rated load current, inverted<br>L voltage drop,<br>the circuit will be shut OFF when the<br>overload exceeds 5 s.                                                                                                                                                                                                                                                                                                                                              | 300W (5V),600W (5V) Models<br>105 to 160% of rated load current,<br>voltage drop, intermittent,<br>automatic reset                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Parallel operation</b>  | 300W (5V),600W (5V) Models<br>Yes (up to 5 units)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 300W (5V),600W (5V) Models<br>Yes (up to 5 units)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cooling method</b>      | 300W (5V),600W (5V) Models<br>Forced-air cooling by a built-in fan                                                                                                                                                                                                                                                                                                                                                                                                                                          | 300W (5V),600W (5V) Models<br>Forced-air cooling by a built-in fan                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Derating Curves</b>     | <p>300W (5V) Model</p> <p>Single Unit Operation</p>  <p>Parallel Operation</p>  <p>600W (5V) Model</p> <p>Single Unit Operation</p>  <p>Parallel Operation</p>  | <p>300W (5V), 600W (5V) Models</p> <p>Single Unit Operation, Parallel Operation</p>  <p><b>Note:</b> (For Customers using 300-/600-W type for a DC input)<br/>Reduce the load calculated with the above derating curve<br/>by at least the following coefficients.</p> <p><b>S8JX-P 300-/600-W Models</b></p>  |

Specifications and prices in this product news are as of the issue date and are subject to change without notice.  
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.