

## Features

- Universal input 90-264V AC
- Direct UK Fixed Plugtop Adapters
- Approved to UKCA, CE, RoHS
- EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- Single Output 5~12V DC
- OVP, OCP, SCP



Ideal Power's 14GJ15WD-xy-BW 12W AC/DC External Adapter UK Plugtop Power Supply (PSU) Series are certified to UKCA, CE, RoHS & EN 62368-1 Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

### Models

| Model Number           | Output Voltage (V DC) | Output Current (A) | Output Power (W) | Efficiency (%) |
|------------------------|-----------------------|--------------------|------------------|----------------|
| 14GJ15WD-0500100BW     | 5                     | 1                  | 5                | 73.6           |
| 14GJ15WD-0500200BW     | 5                     | 2                  | 10               | 78.7           |
| 14GJ15WD-1200100BW     | 12                    | 1                  | 12               | 82.96          |
| 14GJ15WD-1200100BW-2.5 | 12                    | 1                  | 12               | 82.96          |

### Input Data

|                            | Min                                                       | Typical | Max  | Units | Notes                       |
|----------------------------|-----------------------------------------------------------|---------|------|-------|-----------------------------|
| Voltage                    | 90                                                        | --      | 264  | V AC  | 100-240VAC +/- 10%          |
| Frequency                  | 50                                                        | --      | 60   | Hz    | 50-60Hz +/- 3Hz             |
| Rated Current              | --                                                        | --      | 0.5  | A     |                             |
| Power consumption          |                                                           |         | 0.1  | W     | Input voltage 115V and 230V |
| Leakage Current            | --                                                        | --      | 0.25 | mA    |                             |
| Primary current protection | An adequate internal fuse on the AC input line is provide |         |      |       |                             |
| Configuration              | II Conductor                                              |         |      |       |                             |

### Output Data

|                      | Min                                                                               | Typical | Max | Units | Notes                               |
|----------------------|-----------------------------------------------------------------------------------|---------|-----|-------|-------------------------------------|
| Minimum Load Current | 0.01                                                                              | --      | --  | A     |                                     |
| Ripple & Noise       | --                                                                                | --      | 200 | mVp-p |                                     |
| Load Regulation      | --                                                                                | 5       | --  | %     |                                     |
| Turn on delay time   | --                                                                                | --      | 3   | S     | At 230Vac input and output Max load |
| Rise time            | --                                                                                | --      | 100 | mS    | At 115Vac input and output Max load |
| Hold up time         | 5                                                                                 | --      | --  | S     | At 115Vac input and output Max load |
| Line Regulation      | less than ±5% while measuring at rated load and +/-10% of input voltage changing. |         |     |       |                                     |

## Protection

|                          | Min | Typical | Max | Units | Notes                                      |
|--------------------------|-----|---------|-----|-------|--------------------------------------------|
| Over Current Protection  | 1.1 | --      | 2.0 | A     | Will recover if fault condition is removed |
| Short Circuit Protection |     |         |     |       | Will recover if fault condition is removed |
| Over Voltage Protection  |     |         |     |       | Will recover if fault condition is removed |

## Environmental Data

|                       | Min | Typical | Max | Units | Notes |
|-----------------------|-----|---------|-----|-------|-------|
| Operating Temperature | 0   | --      | +40 | °C    |       |
| Storage Temperature   | -20 | --      | +80 | °C    |       |
| Operating Humidity    | 10  | --      | 90  | %     |       |
| Operating Humidity    | 10  | --      | 90  | %     |       |

## Product Information

### Safety Standards

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Dimensions       | 58.4 x 48.8 x 56.2 mm                                  |
| Cable            | UL 2468, 2000mm, 5V-22AWG / 12V-24AWG                  |
| Output Connector | 2.1 x 5.5 x 12 mm, 2.5 x 5.5 x 12 mm (model dependant) |

## EMC Specifications

### Test Level

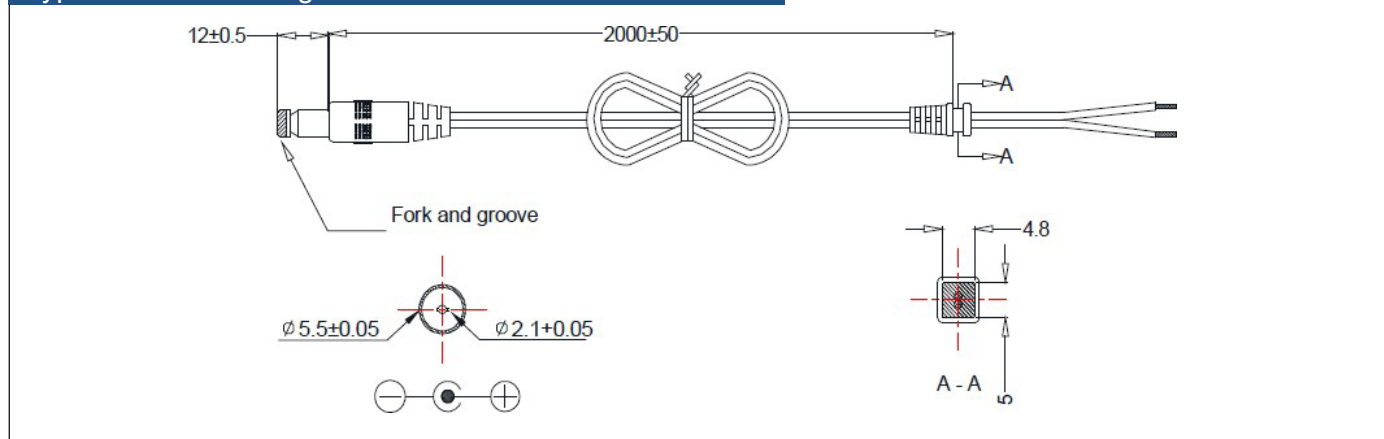
|               |                                                                                                                                                      |                                                          |        |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------|
| EMI           | EN 55032 / FCC Part 15 Class B - Radiated and Conducted Emission<br>EN55014, EN55015, Class B - Radiated and Conducted Emission<br>GB9254, GB17625.1 |                                                          |        |
| ESD           | IEC 61000-4-2                                                                                                                                        | Air discharge +/-8KV, Contact discharge +/-4KV           | Pass B |
| RFI           | IEC 61000-4-3                                                                                                                                        | 80-1000MHz, 3 V/m with 80% amplitude modulation of 1 kHz | Pass A |
| EFT           | IEC 61000-4-4                                                                                                                                        | AC-Input Signal line, 0.5KV / Power Line, 1KV            | Pass B |
| Surge Voltage | IEC 61000-4-5                                                                                                                                        | Differential mode +/-1KV. Common mode +/-2KV             | Pass A |

## Safety Approvals

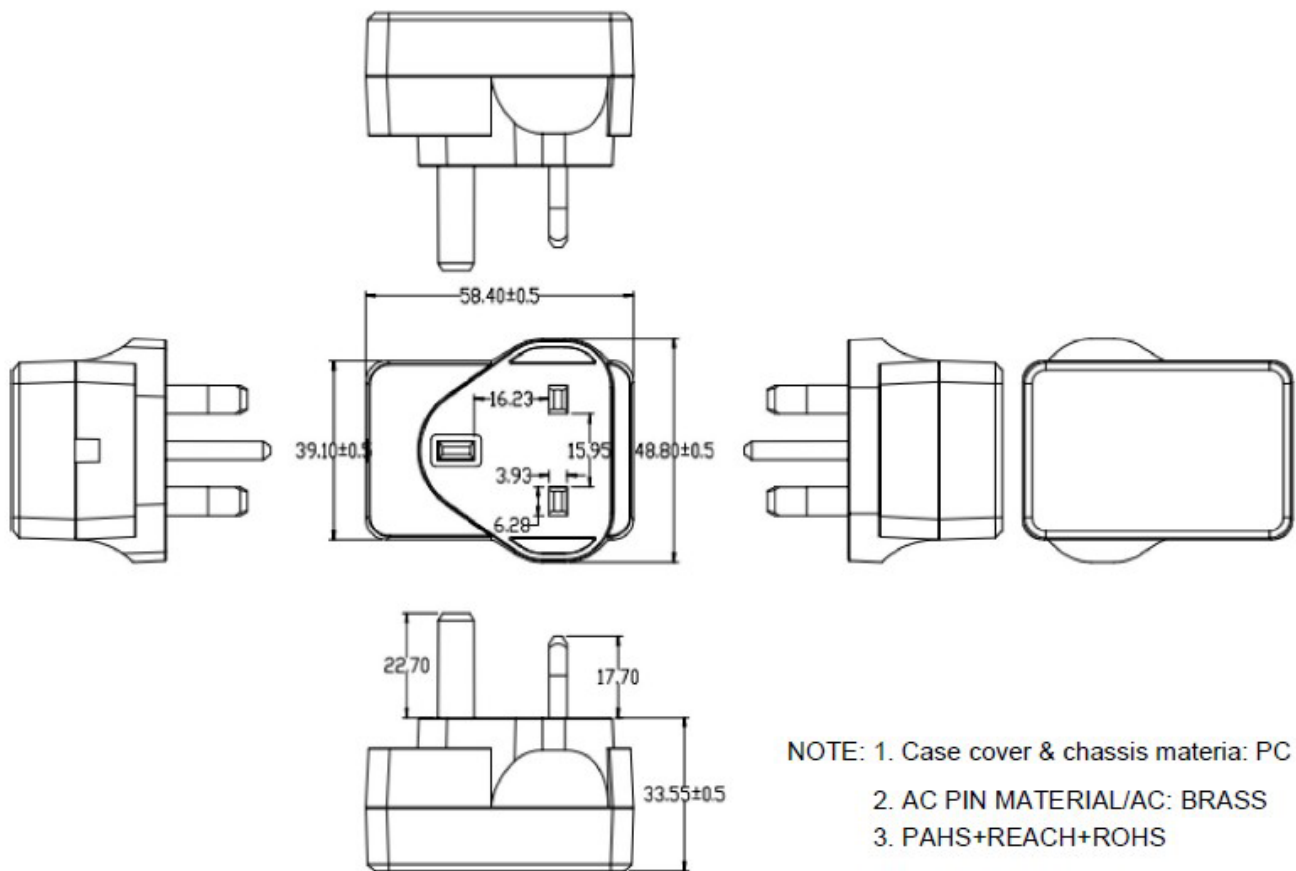
### Safety Standards

|                |                |
|----------------|----------------|
| Certifications | UKCA, CE, RoHS |
| Approvals      | EN 62368-1     |

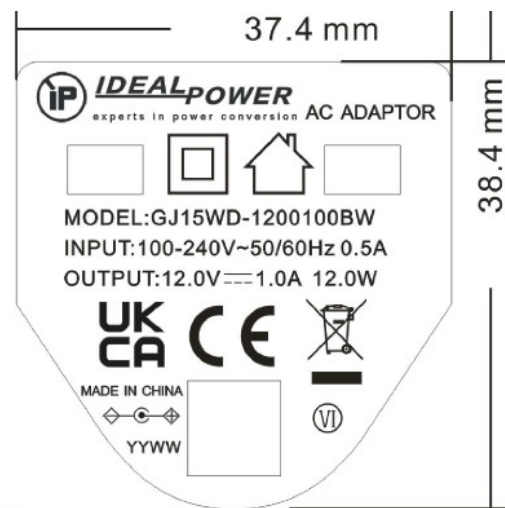
## Typical Cable Drawing



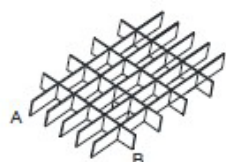
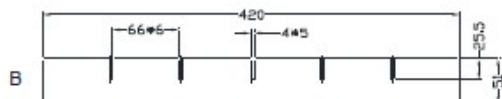
### Mechanical Drawing



### Typical Label Drawing

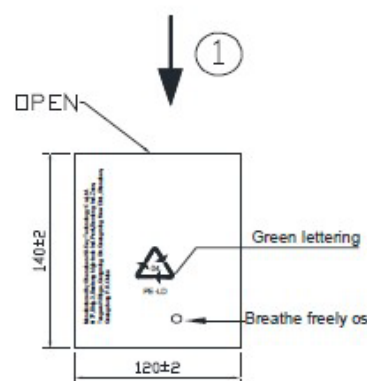
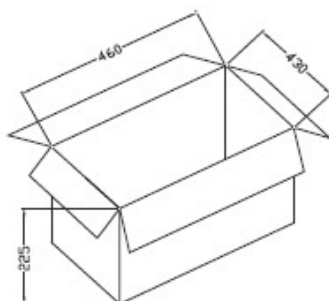


## Packaging



A diagram of a diamond-shaped plate with two adjacent sides labeled 450 and 420. A horizontal line extends from the right vertex, with a dimension of 100 indicated below it.

↓ ③



REMARK:  
The sample package for temporary packaging big goods packing as shown above packing if customer don't specify packing type.