



## FW30 Series

30 W Power Supply

**FW30 Is Not Recommended For New Designs. Please Use FWC30 As A Replacement**

| Elpac Part Number | Output Voltage | Output Current | Peak Current | Total Regulation | Typical Efficiency |
|-------------------|----------------|----------------|--------------|------------------|--------------------|
| FW3009-760F       | 9.0V           | 3.3A           | 3.9A         | ±5%              | 81%                |
| FW3012-760F       | 12.0V          | 2.5A           | 3.0A         | ±5%              | 83%                |
| FW3015-760F       | 15.0V          | 2.0A           | 2.4A         | ±5%              | 84%                |
| FW3018-760F       | 18.0V          | 1.7A           | 2.0A         | ±5%              | 85%                |
| FW3024-760F       | 24.0V          | 1.3A           | 1.5A         | ±5%              | 86%                |

### Input

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Input Voltage               | 85 - 264VAC 100 - 240VAC Nominal                 |
| Input Frequency             | 47 - 63Hz                                        |
| Input Current               | <1.0A rms                                        |
| Inrush Current              | <37A at 230VAC cold start                        |
| Zero Load Power Consumption | <0.3W                                            |
| Touch Leakage Current       | <250µA @ 132VAC @ 60Hz<br><400µA @ 264VAC @ 60Hz |

### Output

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Output Voltage              | See Table                                            |
| Total Regulation            | +/-5%                                                |
| Minimum Load                | No minimum load required                             |
| Start-Up Delay              | <250ms                                               |
| Hold-Up Time                | >20ms at any input voltage                           |
| Ripple & Noise              | <1% pk-pk **                                         |
| Over Voltage Protection     | 110-135%                                             |
| Over Temperature Protection | Active - Recoverable; plus Passive - Non Recoverable |
| Over Current Protection     | 120 - 180%                                           |

Short Circuit Protection

shutdown, auto-restart (hiccup mode)

### General

|            |                                               |
|------------|-----------------------------------------------|
| Efficiency | Avg Efficiency 84.5% @ 115VAC; 83.4% @ 230VAC |
| MTBF       | min. 100,000 hours demonstrated               |
| Size       | 4.25                                          |
| Weight     | 0.70 lbs (.32 kg)                             |

### Environmental

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Operating Temperature | 0 – 60°C (Full load to 40°C, derate linearly to 50% load at 60°C) |
| Storage Temperature   | -40°C to +85°C                                                    |
| Relative Humidity     | 5-95%, non-condensing                                             |
| Cooling               | Natural Convection                                                |
| Vibration             | All units production tested to 19.6m/s <sup>2</sup>               |

### EMC & Safety

|                                                                                     |                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------|
| Emissions                                                                           | FCC class B, CISPR22 class B EN61000-3-2, -3 |
| Immunity                                                                            | EN61000-4-2, -3, -4, -5, -6, -8, -11         |
| Certified by:                                                                       | cTUVus                                       |
|  | UL 60950-1                                   |
|  | CAN/CSA-22.2 No.950                          |
|                                                                                     | CB per IEC60950-1                            |
|                                                                                     | CE marked to LVD & EMC Directive             |

**Warning:** `array_keys()` [[function.array-keys \(function.array-keys\)](#)]: The first argument should be an array in `/home/iccnexergy.com/public_html/wp-content/themes/iccus/functions.php` on line **400**

### Output Pin Assignments



|         |        |
|---------|--------|
| Center  | +v1    |
| Outside | Return |

