

FEATURES

- Active power factor correction (PFC)—0.99 typ.
- Compliant to IEC1000-3-2
- Continuous wide-range input voltage
- Meets international safety standards
 - UL1950 Recognized
 - CSA C22.2 No. 950 Certified
 - IEC950/EN60950 (TUV Certified)
- CE Mark (LVD)
- Built-in EMI filter (conducted)
 - FCC Part 15 Level B
 - CISPR Pub. 22 Level B
 - VCCI Class B
- Surge immunity to 4kV (Input to Chassis)

AUXILIARY FEATURES

- LED operating indicator
- Remote ON/OFF
- Remote Sense

SPECIFICATIONS

INPUT

| | |
|-----------|--------------------------------------|
| Voltage | 85-264 VAC (continuous) |
| Frequency | 47-63 Hz |
| Current | |
| Full Load | 0.8 - 1.2A (RMS) 0.4 - 0.6A (RMS) |
| Inrush | 120V - 20A (TYP) 240V - 40A (TYP) |

OUTPUT

| | |
|-------------------------------|---|
| Total Regulation | ±5.0% |
| Ripple & Noise (peak-to-peak) | 100mV or 1% (whichever is larger) (measured at 25°C with a bandwidth of 100 MHz) |
| Hold-up Time | 20mS min. (measured at nominal input voltage, full load, 25°C) |
| Start-up Time | 15 (max) |

PROTECTION

| | | | | | | | | | | | | | |
|---------------|--|----------|------|------|----|----|----|-----|-----|-----|------|------|----|
| Overvoltage | All models are protected against over-voltage. Control circuit is preset so output voltage does not exceed the following values: | | | | | | | | | | | | |
| | <table border="1"> <tr> <td>Output V</td> <td>3.3</td> <td>5.0</td> <td>12</td> <td>15</td> <td>24</td> </tr> <tr> <td>OVP</td> <td>4.5</td> <td>6.9</td> <td>15.5</td> <td>19.5</td> <td>30</td> </tr> </table> | Output V | 3.3 | 5.0 | 12 | 15 | 24 | OVP | 4.5 | 6.9 | 15.5 | 19.5 | 30 |
| Output V | 3.3 | 5.0 | 12 | 15 | 24 | | | | | | | | |
| OVP | 4.5 | 6.9 | 15.5 | 19.5 | 30 | | | | | | | | |
| Overload | All models are protected against overload and short circuit. Recovery is automatic after removal of the fault. | | | | | | | | | | | | |
| Remote Sense | Standard Compensates for up to 250mV volt drop on each lead. | | | | | | | | | | | | |
| Remote ON/OFF | Standard | | | | | | | | | | | | |

ISOLATION

| | |
|-------------------|--|
| Input to Chassis | 2000VAC for 1 minute |
| Input to Output | 3000VAC for 1 minute |
| Output to Chassis | 500VAC for 1 minute |
| Insulation | 100MΩ at 500VDC |
| Leakage Current | 0.3mA (max) at 120VAC, 60Hz per UL1950, EN60950 0.75mA (max) at 254.4VAC, 60Hz per CSA22.2 No. 950 0.25mA (max) at 100VAC, 60Hz per JIS standard |

ENVIRONMENT

| | |
|--------------------|--|
| Operating Temp. | -10°C to + 50°C at full load (derated to 50% from 50°C to 60°C) |
| Operating Humidity | 20% - 90% relative humidity (non-condensing) |
| Storage Temp. | -30°C to + 85°C |
| Storage Humidity | 10% - 95% relative humidity (non-condensing) |
| Shock | <20G |
| Vibration | 2G, 10 - 55 Hz, 0.75mm amplitude, for 2 hours (non-operating) |

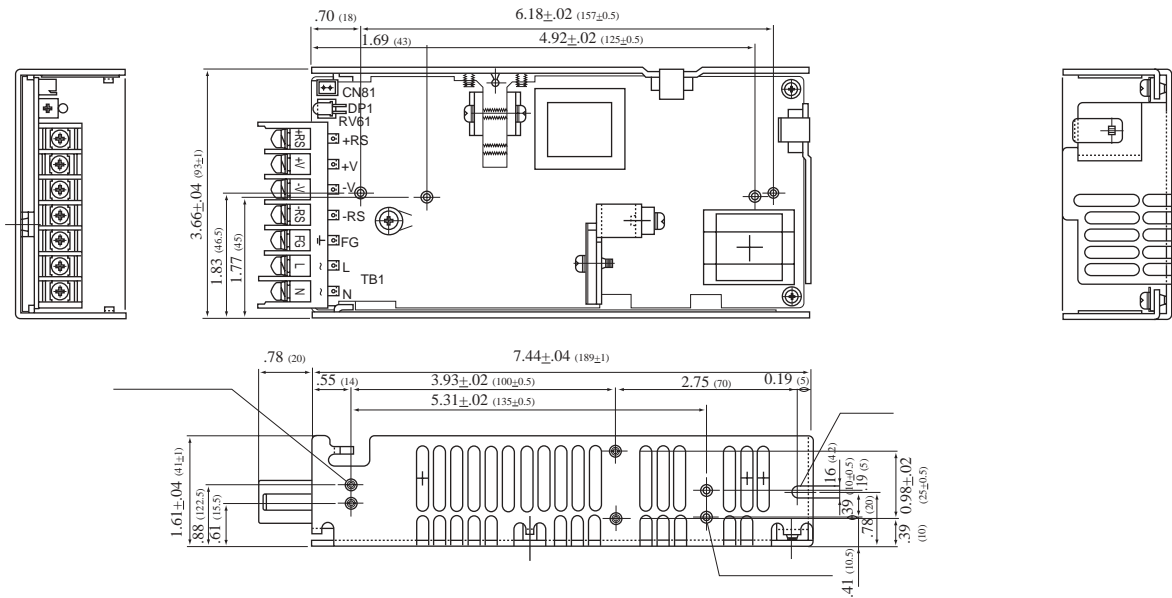
MODEL SPECIFICATIONS

| Model # | Output Voltage (+/- 10%) | Output Current | Efficiency | Power |
|----------|--------------------------|----------------|------------|-------|
| JY03020G | 3.3V | 0-20A | 71% | 66W |
| JY05020G | 5.0V | 0-20A | 70% | 100W |
| JY128R3G | 12.0V | 0-8.3A | 75% | 100W |
| JY156R6G | 15.0V | 0-6.6A | 78% | 100W |
| JY244R2G | 24.0V | 0-4.2A | 80% | 100W |
| JY48002G | 48.0V | 0-2A | 70% | 100W |

MECHANICAL SPECIFICATIONS

Size (W + D + H) 100W: 3.7 x 7.4 x 1.6 inches (93 x 189 x 41 mm)

Weight 100W: 1.4 lbs. (0.6 kg)



CONNECTOR DESIGNATIONS

TB1

| Designation | Function — 100W |
|-------------|------------------|
| N | Line-Neutral |
| L | Line-Hot |
| FG | Frame Ground |
| -RS | (-) Remote Sense |
| -V | Negative Output |
| +V | Positive Output |
| +RS | (+) Remote Sense |

Connections made to terminal block TB1 with M3 hardware.

CN3

| Designation | Function — 100W |
|-------------|-----------------|
| CN3-1 | Remote ON/OFF |
| CN3-2 | Remote ON/OFF |

Connections made to CN3 pins with mating female connector supplied.

All specifications are subject to change without notice.