



## 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)
- MTBF > 750,000 hours

## AUXILIARY FEATURES

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

## SPECIFICATIONS

### INPUT

Voltage 85-264 VAC (continuous)  
(90-264 VAC between -10 to 0°C)

Frequency 47-63 Hz

Current

Full Load 120V 2 - 2.2 (RMS)  
240V 1 - 1.1 (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 1S (max)

### PROTECTION

Overvoltage All models are protected against overvoltage. Control circuit is preset so output voltage does not exceed the following values:

Output V	3.3	5.0	12	15	24	48
OVP	4.5	6.9	15.5	19.5	30	60

Overload All models are protected against overload and short circuit. Recovery is automatic after removal of the fault.

## 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 0.2mA (max) at 120VAC, 60Hz per UL1950, EN60950  
0.75mA (max) at 254.4VAC, 60Hz per CSA22.2 No. 950

## 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 10G

Vibration 2G, 10 - 55 Hz, 0.75mm amplitude, for 2 hours (non-operating)

## MODEL SPECIFICATIONS

Model #	Output Voltage (+/- 10%)	Output Current	Efficiency	Power
JY03030G	3.3V	0-30A	70%	90W
JY05030G	5.0V	0-30A	72%	150W
JY12012G	12.0V	0-12A	76%	150W
JY15010G	15.0V	0-10A	76%	150W
JY246R2G	24.0V	0-6.2A	76%	150W
JY48003G	48.0V	0-3A	75%	150W

**MECHANICAL SPECIFICATIONS**

Size (W + D + H): 3.66 x 7.83 x 2.36 inches  
(93 x 199 x 60 mm)

