



FEATURES

- 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 > 1 million hours

SPECIFICATIONS

INPUT

Voltage	85-264 VAC (continuous) (90-264 VAC between -10 to 0°C)
Frequency	47-63 Hz
Current	
Full Load	120V 0.5 - 0.7 (RMS) 240V 0.25 - 0.35 (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 over-voltage. 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	0.3mA (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
JY03006G	3.3V	0-6A	72%	18W
JY05006G	5.0V	0-6A	77%	30W
JY122R5G	12.0V	0-2.5A	84%	30W
JY15002G	15.0V	0-2A	85%	30W
JY241R2G	24.0V	0-1.2A	86%	30W
JY480R6G	48.0V	0-0.6A	87%	30W

MECHANICAL SPECIFICATIONS

Size (W + D + H): 2.17 x 5.24 x 1.02 inches
(55 x 133 x 26 mm)

