

### Features

- Universal AC input / Full range
- Low leakage current 0.3mA
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 3 years warranty



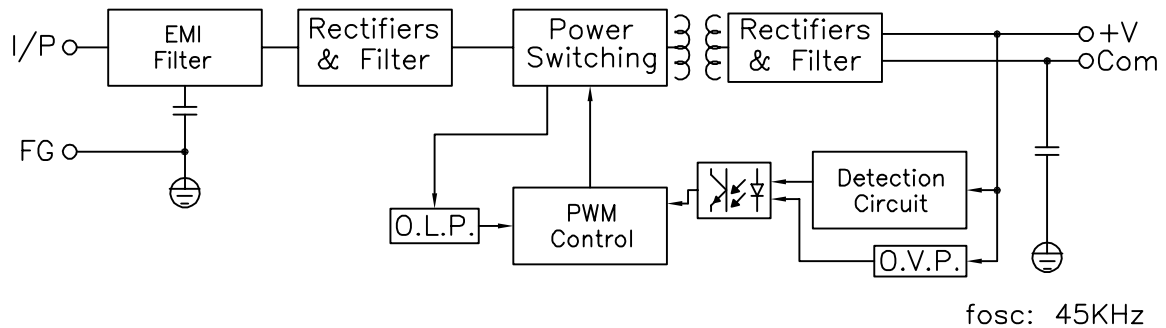
DC output voltage	12V
Output V. tolerance	±2%
Output rated current	5.2A
Output min. range	0A
Output max. range	6A
Ripple & noise	100m
Line regulation	±1%
Load regulation	±2%
Rated output power	62.4W
Rated output power	72W with 18CFM min. forced air convection
Efficiency	77%
DC voltage adj.	±10%
Input voltage range	90~264VAC 47~4403Hz; 120-370VDC
AC current	1.6A/115V 0.9A/230V
Inrush current	cold start 20A/115V 40A/230V
Leakage current	<0.3mA/264VAC
Overload protection	51~75W type: Hiccup mode, recovers automatically after fault condition is removed
Over voltage protection	115%~135%
Temperature coefficient	±0.04% / °C (0~50°C)
Set up, rise, hold up time	800ms, 30ms, 20ms/230VAC 800ms, 30ms, 12ms /115VAC
Vibration	10~500Hz, 2G 10min./1 cycle (1 hour each axes)
Withstand voltage	I/P-O/P: 4KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC, for 1 min.
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 500VDC / 100M Ohms min.
Working temp., humidity	-10°C~+60% (refer to output derating curve), 20%-90% RH
Storage temp., humidity	-20°C~+85°C, 10%-95% RH
Dimensions	5x3x1.65 inches PCB only (127x76.2x42 mm)
Weight	0.51 lbs (0.23 Kgs)
Safety standards	UL2601-1, EN60601-1 approved
EMC standards	CISPR11 (EN55011), EN61000-4,2,3,4,5,6,8,11, IEC61000-3-2,3 EN60601-1-2 verification

#### Notes:

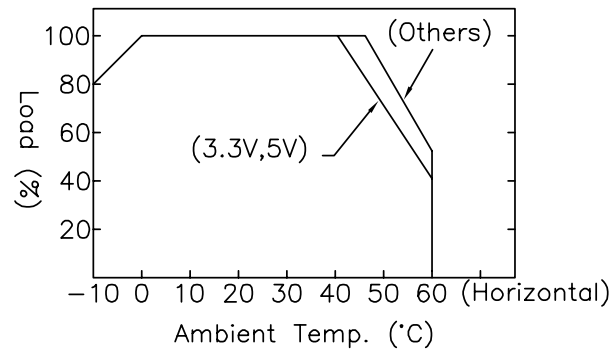
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Line regulation is measured from low line to high line at rated load
5. Mounting holes M1 and M2 should be grounded for EMI purposes

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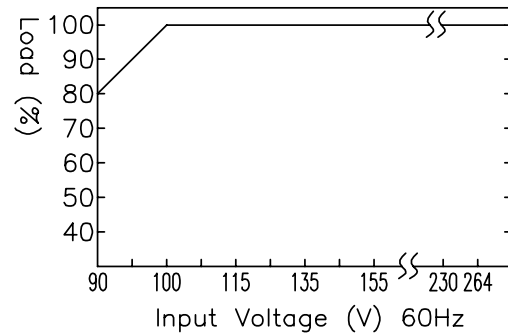
## Block Diagram



## Output Derating



## Static Characteristics



## Dimensions (mm)

### Terminal Pin No. Assignment

CN1: MOLEX 5277-02

PIN 1,2: AC INPUT

CN2: MOLEX 5273-06

PIN 1,2,3: DC OUTPUT +V

PIN 4,5,6: DC OUTPUT GND

### Mating Connectors

CN1,2 Mating Connector type Molex 5195 and 5239 series or equivalent with Molex 5194 and 5225 or equivalent crimp terminals.

