

**Features**

- Universal AC input/ Full range
- Short circuit, overload, over-voltage protected
- Cooling by free air convection
- Approvals: UL/CUL/TUV/CB/CE
- Fixed switching frequency at 65KHz
- Low leakage current <0.5mA
- 100% full load burn-in test
- Low cost, high reliability
- 2 year warranty



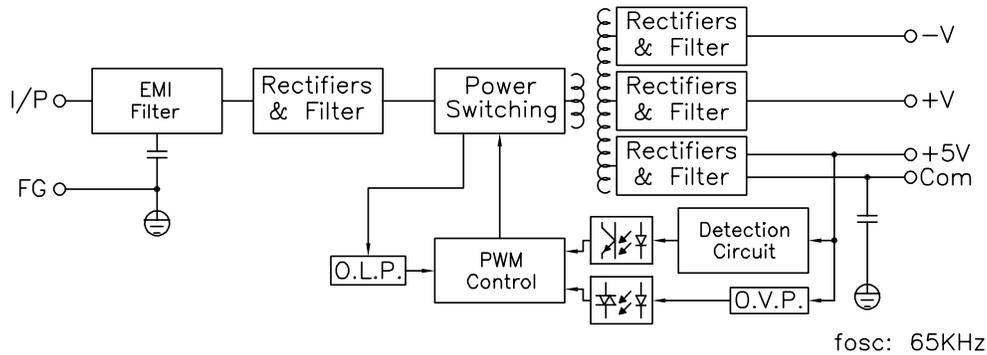
	CH1	CH2	CH3
DC output voltage	5V	15V	-15V
Output V. tolerance	±4%	±7%	±5%
Output rated current	5.5A	2.5A	0.5A
Output min. current	0.4A	0.2A	0A
Output max. current	7A	2.6A	0.7A
Ripple & noise p-p	50mV	120mV	100mV
Line regulation	±1%	±2%	±1%
Load regulation	±3%	±4%	±1%
Rated output power	65W		
Maximum output power	rated output power for convection 72W with 18CFM min forced air		
Efficiency	77%		
DC voltage adj.	+10, -5%		
Input voltage range	90~264VAC 47~440Hz; 120-370VDC		
AC current	1.5A/115V 0.9A/230V		
Inrush current	cold start 20A/115V 40A/230V		
Leakage current	<0.5mA @ 240 VAC		
Overload protection	73~95W type: Hiccup mode, recovers automatically after fault condition is removed		
Over voltage protection	5.75~6.75VDC on CH1on +5V output		
Temperature coefficient	±0.04% / °C (0~50°C)		
Set up, rise, hold up time	800ms, 20ms, 20ms		
Vibration	10~500Hz, 2G 3 axes 10 min./1 cycle (1 hour/each axes)		
Withstand voltage	I/P-O/P: 3KVAC, 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 (127x76.2x42 mm) PCB only		
Weight	0.506 lbs (0.23 Kg)		
Safety standards	UL1950, TUV EN60950 approved		
EMC standards	CISPR22 (EN55022), IEC1000-4-2,3,4,5 IEC1000-3-2, 3 verification		

**Notes:**

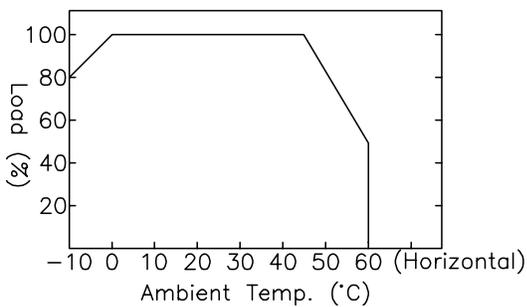
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Line regulation is measured from low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

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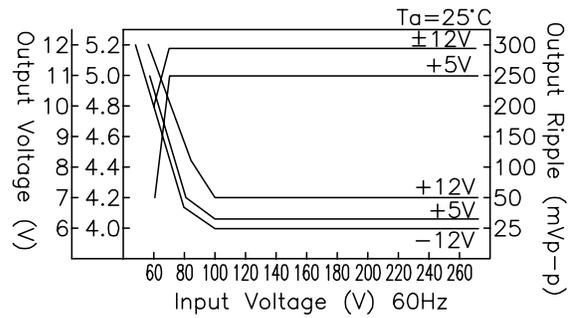
## Block Diagram



## 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: DC OUTPUT +V
- PIN 2,3: DC OUTPUT +5V
- PIN 4,5: DC OUTPUT COM
- PIN 6: DC OUTPUT -V

### Mating Connectors

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

