

5 Watt, PS Series, Open Frame (Single Output)

ALL PSU LTD
Electronic Power Solutions

- Universal AC Input
- Compact Chassis Mounting Format
- Short Circuit, Overload, Over Voltage Over Temperature Protection
- High Reliability, 100% Burn In
- 2 Year Warranty
- Very Competitive Prices
- Full Safety Approvals



Size: 75 x 40 x 20 mm

Specification

Universal Input.....	85~264 VAC / 120~370 VDC
Frequency.....	47~63 Hz
Fixed Output Voltage.....	See table below
Over Load Protection.....	>105%, output hiccup mode, (auto-recovery)
Over Voltage Protection.....	115~135% of rated output voltage
Set Up, Rise, Hold Up Time.....	1000 ms, 20 ms, 100 ms (full load)
Isolation Voltage.....	I/P-O/P: 3 kVAC
Switching Frequency.....	67 kHz (fixed)
Line Regulation.....	+/-1.0% (5~15 V models), +/-0.5% (24~48 V models)
Load Regulation.....	+/-1.0% (5~15 V models), +/-0.5% (24~48 V models)
Operating Temperature.....	-10 to +60 °C (see derating curves)
Leakage Current.....	<0.5 mA @ 240 VAC
AC Input Current.....	0.15 A @ 115 VAC, 0.07 A @ 230 VAC
Inrush Current.....	30A @ 230VAC (cold start)
Storage Temperature.....	-20 to +85 °C
Safety Standard.....	IEC60950-1, CB approved by TUV
EMC Standard.....	CISPR22 EN55022 Class B EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61000-3-2,3 light industrial level, Criteria A.
Size / Mounting.....	75 x 40 x 20 mm, 4 corner chassis fixings.
Connection.....	Input and output 3.96 pitch plug-in (AC input & DC output: Molex housing: 5285-03, 5273-02) (Terminals: AC input: Molex 2478, DC Output: Molex 5194)

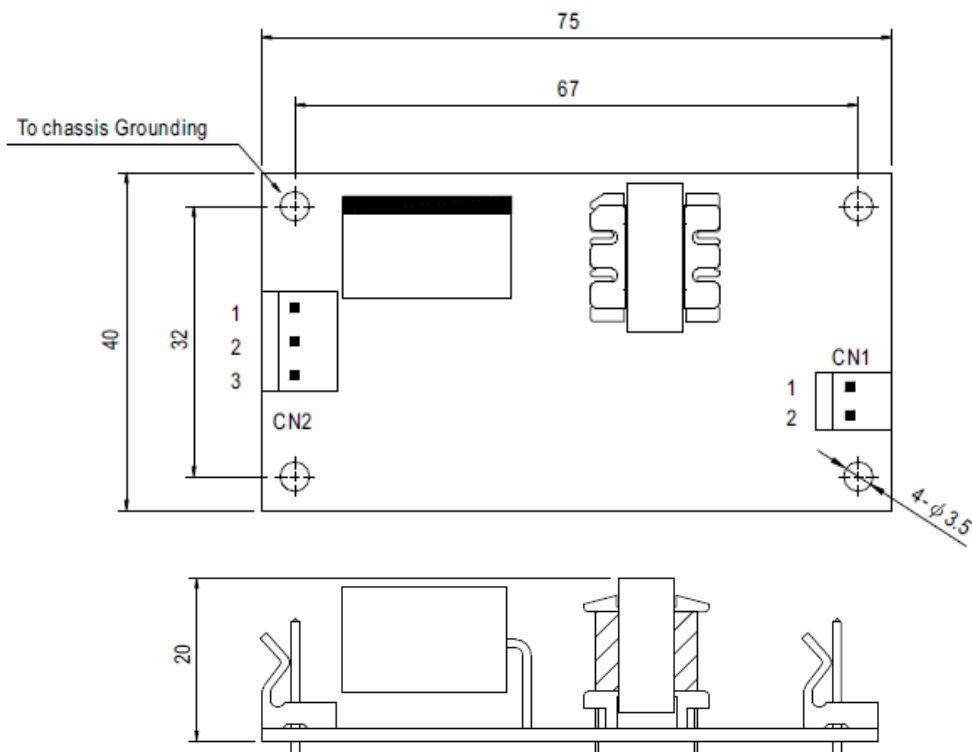
Models and Ratings

Model	Output Voltage	Output Current	Ripple/Noise	Efficiency
PS-05-5	5.0 V	1 A	100 mV	70%
PS-05-12	12.0 V	0.45 A	120 mV	75%
PS-05-15	15.0 V	0.35 A	120 mV	75%
PS-05-24	24.0 V	0.22 A	200 mV	76%
PS-05-48	48.0 V	0.11 A	200 mV	76%

(Optional safety covers may be available for volume quantities)

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Mechanical Details

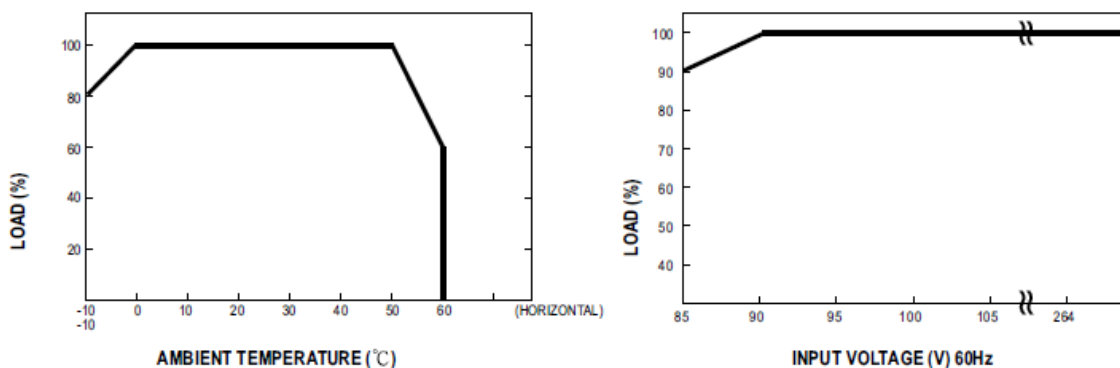


Pinout

Pin	AC Input Connector (CN2): Molex 5285-03 or equivalent		
	Function	Mating Housing	Mating Terminal
1	GND	Molex 5058 or equivalent	Molex 2478 or equivalent
2	AC Neutral		
3	AC Live		

Pin	DC Output Connector (CN1): Molex 5273-02 or equivalent		
	Function	Mating Housing	Mating Terminal
1	+V Out	Molex 5195 or equivalent	Molex 5194 or equivalent
2	-V Out		

Derating Curves



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.