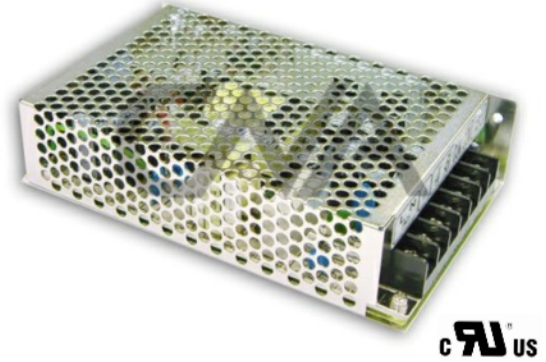


LED Driver: PS100W-MC

	Model Number:	PS100W-MC	
	Voltage Range (VAC)	Note.2	85 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC
	Frequency Range (Hz)		47 ~ 63 Hz
Input	AC Current		2A@115VAC / 1.2A@230VAC
	Efficiency (Typ.)		83%
	Max. Inrush Current		COLD START 45A
	Leakage Current		< 2mA / 240VAC
	DC Voltage		12VDC
	Rated Current		8.5A
	Current Range		0 ~ 8.5A
Output	Rated Power		102W
	Ripple & Noise (max.)	Note.3	120mVp-p
	Voltage Adj. Range		11.4 ~ 13.2V
	Voltage Tolerance	Note.4	± 1.0%
	Line Regulation	Note.5	± 0.5%
	Load Regulation	Note.6	± 0.5%
	Setup, Rise Time		1000ms, 20ms/230VAC 1000ms, 20ms/115VAC at full load
	Hold Time		30ms/230VAC 25ms/115VAC at full load
Protection	Overload		110 ~ 150% rated output power
			Protection Type: Hiccup mode, recovers automatically after fault condition is removed
	Over Voltage		13.8V ~ 16.2VAC
			Protection Type: Hiccup mode, recovers automatically after fault condition is removed
	Working Temperature		-20 ~ +60°C (Refer to "Derating Curve")
Environment	Working Humidity		20 ~ 90% RH non-condensing
	Storage Temperature, Humidity		-40 ~ +85°C, 10 ~ 95% RH
	Temp. Coefficient		± 0.03%/°C (0 ~ 50°C)
	Vibration		10 ~ 500Hz, 2G 10min./1cycle, period for 60 min. Each along X,Y,Z axes
	Safety Standards	Note.7	UL60950-1, CB(IEC60950-1),CCC GB4943.1:2011 approved
Safety & EMC	Withstand Voltage		I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	(Note.8) Isolation Resistance		I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°/ 70% RH
	EMC Emission		Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3
	EMC Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-1, light industry level, criteria A
Other	MTBF		320.7Khrs min. MIL-HDBK-217F (25°)
	Dimension		159*97*38mm (L*W*H)



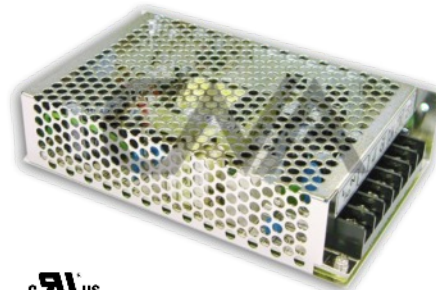
Note

1. All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. When using DC voltage as the input, please connect positive pole of input voltage to mark "+" of the terminal block and negative pole of input voltage to mark "-" of the terminal block.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
4. Tolerance : includes set up tolerance, line regulation and load regulation.
5. Line regulation is measured from low line to high line at rated load.
6. Load regulation is measured from 0% to 100% rated load.
7. For the request of GB4943.1,the power supply is only suitable for use in the altitude 2000m below and the non tropical climate condition.
8. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

LED Driver: PS I00W-MC

FEATURES:

- Input range from 85~132VAC / 176~264VAC
- Protections: Short circuit/ Overload / Over Voltage
- Cooling by free air convection
- LED Indicator for power on
- 100% full load burn-in test



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■ Mechanical Specification

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG		

Case No. 901 Unit:mm

■ Block Diagram

fosc : 60KHz

■ Derating Curve

■ Static Characteristics