

High PF Constant Voltage Waterproof LED Power Supply



Features:

- The output voltage is constant.
- Input voltage:100-265VAC.
- Using active built-in PFC technology.
- Protection:SCP/OVP.
- Aluminum case waterproof.
- Easy to install.
- Nature cooling.
- CE/ROHS/SAA/TUV passed.
- 5 Years warranty.

Specification Sheet

Model	CV	MSD-MV030NN12	MSD-MV030NN24
Output	Output Voltage	12V	24V
	Voltage Precision	±0.5V	
	Output Current	2.5A	1.25A
	Output Power	30W	
	Line Regulation	1%	
Input	Input Voltage Range	100-265V/AC(standard) 90VAC(min)305V/AC(max)	
	AC Current(Typ)	0.32A@110VAC	0.16A@220VAC
	Frequency Range	50/60Hz	
	Inrush current(typ)	COLD START 9A(twidth=50µs measured@50% Ipeak)@230V	
	PFC(Typ)	>0.95@full load	
	Full-loading Efficiency	>85%	>88%
Protection	Short Circuit	Short circuit protection / Over voltage protection	
	Over Voltage	<305VAC	
Environment	Operation Temperature	-40~+50°C	
	Operation Humidity	20~90%	
	Storage	-40~ +85 °C, 10~95%RH	
	Temperature Coefficient	±0.03%/°C(-45~50°C)	
	Vibration Resistance	10~500HZ,2G 10Min/period,X、 Y、 Z line per 60 mins	
Safety&EMC	Standard	Refer to EN 61347-1;EN 61347-2-13; EN 62493	
	Withstand Voltage	I/P-O/P:3.75KVAC	
	Insulating Strength	I/P-O/P:400M Ω/500 VDC/25°C/70%RH	
	EMC Emission	To Correspond EN55015,EN61000-3-2(≥ 50% load)	
	EMC Immunity	To Correspond EN55015,EX61000-4-2,3,4,5,6,8,11,A Level of light industry standard(Surge 4KV)	
Other	Weight	300g	
	Dimension	152*38*23mm (L*W*H)	
	PCB	94V-0 PC fire retardant	
	Color	Dark Grey	
	Packing	44*28*18cm/20pcs	
NOTE	<p>All parameters are measured at normal temperature(25-28°C)</p> <p>1、 Ripple & Noise are measured at 20KHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47uf parallel capacitor(@ full load).</p> <p>2、 The efficiency measured at Max output voltage,and 230VAC with full load,if with 110VAC the efficiency will be lowered 0.5%~1.5%;Working 1~2 hours,efficiency will be higher 1.5%~1%than the initial stage.</p>		

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1. Mechanical Specification

