

48W PC-SD38 Series LED Lighting Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 88%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection diff. 4.5KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP67 design for LED indoor or outdoor lighting applications (optional).
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.



- ▶ Other optional function: DALI, ZigBee.
- ▶ Free air cooling.
- ▶ Class II power.
- ▶ UL Class 2 power.
- ▶ 2 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 20A max. at 110Vac/40A max. at 230Vac
Environment	Operating temperature	- 30°C~+50°C @ambient temperature (Tambient)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75kVac/1min @less than 10mA leakage
	Safety standards	UL8750, CSA C22.2 No. 60950-1-07, IEC61347-1, IEC61347-2-13, IP67; design refer to UL60950-1
	EMC standards	Compliance to EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(UL) 3386 AWM1015 18AWG (20cm)
	Output wire	(UL) 3385 AWM1015 20AWG (13cm)
Mechanical	Dimension/weight	145 (L) x 47 (W) x 32 (H) mm

Model Listing

Class 2 Power				Non- Class 2 Power			
Model No.	Max. output power	Output	Efficiency	Model No.	Max. output power	Output	Efficiency
PC-SD38-1XYDZ	29.7W	6.3~9V/3.3A	80%	PC-SD38-7XYDZ	48W	25.2~36V/1.33A	86%
PC-SD38-2XYDZ	40W	8.4~12V/3.3A	80%	PC-SD38-8XYDZ	48W	28.9~42V/1.14A	88%
PC-SD38-3XYDZ	40W	10.5~15V/2.67A	84%	PC-SD38-AXYDZ	48W	33.0~48V/1A	88%
PC-SD38-4XYDZ	48W	14.0~20V/2.4A	85%	PC-SD38-BXYDZ	48W	37.5~54V/0.88A	88%
PC-SD38-5XYDZ	48W	16.8~24V/2A	85%				
PC-SD38-6XYDZ	48W	18.9~24V/2A	85%				
PC-SD38-6XYZ	48W	18.9~27V/1.78A	85%				

XY: Blank, aa-zz or AA-ZZ
 DZ: Blank, 00-99, aa-zz or AA-ZZ (market purpose, factory specified)

Dimensional Drawing

