

■ AC to DC Switch Power Supply 60~100 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

cUL[®]us FC CE CB □ PSE IP66 RoHS REACH

Features

- Available in Constant Current or Constant Voltage
- Compatible with 0 ~10V Dimming Controller (CC)
- Surge Immunity (IEC 61000-4-5) : 6KV
- Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
- Suitable for Dry, Damp Locations, IP66
- Convection Cooled in plastic housing
- Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE, CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac/ 1.5~0.75A/ 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 60%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 85% at 230Vac full load
Turn on delay time : < 0.5 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1096-24	18 ~ 28V	500 ~ 4000mA	2500 ~ 4000mA	16 ~ 28V	96W (cUL- class 2)
LP1096-36	28 ~ 42V	320 ~ 3200mA	1600 ~ 3200mA	23 ~ 42V	96W (cUL- class 2)
LP1096-48	38 ~ 56V	240 ~ 2400mA	1200 ~ 2400mA	30 ~ 56V	96W (cUL- class 2)
LP1096-112	N/A		1000 ~ 1250mA	60 ~ 112V	100W (cUL)
LP1096-168	N/A		500 ~ 700mA	90 ~ 168V	100W (cUL)

Note 1: We can provide any fixed output current or voltage between 500 ~ 4000mA or 18 ~ 56V to meet customers' requirements.

Model Information

LP1096-XXX-Cnnnn-DDDD

1096 = Single DC Output, 96 or 100 Watts Max. **XXX** = Voltage Output, 24 = 24V, ..., 168 = 168V

Cnnnn = (Optional or blank) Constant Current Output, C4000 = 4000mA, ..., C0500 = 500mA

DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

010V = 0~10Vdc (Off < 1V, 10~100%), or **VR** = Resistor (10K~100KΩ, 10~100%), or **PWM** = 10V PWM Signal (200 ~ 5kHz)

(Dimming : Refer to Dimming Instruction- A)

Mechanical Drawing

Case Dimension : 116(L), 100(W), 34.5(H)mm, 122Ø
Weight : 570g typical

