

■ AC to DC LED Power Supply 16~21 Watts



Applications

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

Features cUL^{us} ^{us} FC CE CB IP66 RoHS REACH

Available in Constant Current or Constant Voltage
 Protection : OCP, SCP, OVP - Auto Recovery
 Suitable for Dry, Damp Locations, IP66
 Convection Cooled in plastic housing
 Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL879, UL1310 Class 2, cUL, FCC B, CB, PSE,
 CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.3~0.15A / 50/60Hz	PF > 0.92, THD < 20% : Input 100~230Vac, Load > 80%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac at full load
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : 12V/80%, 18V/82%, 24V/83%, 52V/86% at 115Vac full load
Turn on delay time : < 1 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise : ±10%
Operation Temp. : -40°C ~ +50°C, Tc : 85°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1020-10	10V	100 ~ 2000mA	700 ~ 2000mA	7 ~ 10V	20W (cUL-class 2)
LP1020-12	12V	88 ~ 1760mA	700 ~ 1760mA	7 ~ 12V	21W (cUL-class 2)
LP1020-13	13V	77 ~ 1540mA	700 ~ 1540mA	7 ~ 13V	20W (cUL-class 2)
LP1020-15	15V	67 ~ 1330mA	700 ~ 1330mA	9 ~ 15V	20W (cUL-class 2)
LP1020-17	17V	63 ~ 1250mA	700 ~ 1250mA	9 ~ 17V	21W (cUL-class 2)
LP1020-18	18V	55 ~ 1100mA	700 ~ 1100mA	9 ~ 18V	20W (cUL-class 2)
LP1020-20	20V	50 ~ 1000mA	350 ~ 1000mA	10 ~ 20V	20W (cUL-class 2)
LP1020-22	22V	46 ~ 910mA	350 ~ 910mA	12 ~ 22V	20W (cUL-class 2)
LP1020-24	24V	42 ~ 830mA	350 ~ 830mA	12 ~ 24V	20W (cUL-class 2)
LP1020-36	36V	28 ~ 550mA	250 ~ 550mA	18 ~ 42V	20W (cUL-class 2)
LP1020-52	52V	20 ~ 400mA	220 ~ 400mA	26 ~ 52V	21W (UL-class 2)
LP1020-52C	52V	20 ~ 400mA	220 ~ 400mA	26 ~ 52V	21W (cUL)

Note 1: We can provide any fixed output current or voltage between 220 ~ 2000mA or 10 ~ 52V to meet customers' requirements.

Model Information

LP1020-XX-Cnnnn
 1020 = Single DC Output, 20~21 Watts Max.
 XX = Voltage Output, 12 = 12V, ..., 52 = 52V.
 Cnnnn = (Optional or blank) Constant Current Output,
 C2000 = 2000mA, ..., C0400 = 400mA.

Mechanical Drawing

Case Dimension : 95(L), 40(W), 25(H)mm
 Weight : 160g typical
 CUFT : 0.008' / ea

