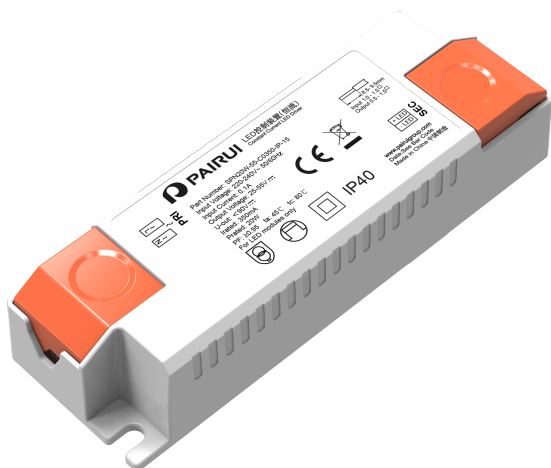


SPN-XXW-XX-C0350-IP-15

No flicker constant current driver



Product features

- Non isolated, independent
- Input voltage 220-240Vac
- Protect: SCP/OCV/OVP
- PF: 0.95 Thd < 10%
- Efficiency: 91%
- 3 year warranty
- Protection grade: IP40
- Application scenarios:
LED Panel Light、 LED Downlights、
LED spotlights、 LED track lights

Naming rules

SPN - xxW - CXXX - IP - 15

① ② ③ ④ ⑤

- ① The named series representing this product.
- ② Represents the output power of this product.
- ③ Represents the output current of this product.
- ④ Represents the protection level of this product.
- ⑤ Indicates the type of input terminal for this product

Model List

Model	output current(mA)	Output voltage(V)	PF	Power(W)
SPN20W-55-C0350-IP-15	350	25-55	>0.9	20
SPN42W-120-C0350-IP-15	350	50-120	>0.9	42
SPN13W-55-C0230-IP-15	230	25-55	>0.9	13
SPN31W-120-C0260-IP-15	260	50-120	>0.9	31

Characteristics

project	Technical indicators
output current (mA)	350mA 260mA 230mA
Output voltage range (VDC)	25-55 50-120
Maximum no-load voltage (VDC)	N/A
current accuracy	±7%
ripple current	20W@36mA(100%load); 42W@64mA(100%load)
IEEE Std 1789	PASS
Typical Efficiency	>91%@230V Full Load

SPECIFICATION

Electrical specifications

input parameters	Rated input voltage (VAC)	220-240
	AC input voltage range (VAC)	198-264
	frequency (Hz)	50/60
	Power factor (PF)	0.95
	Start Time(S)	< 0.5S
	No-load power consumption (W)	20W < 0.5W(@230V); 42W < 0.7W(@230V)
	Typ THD	<10%
protect	overload protection	YES/Auto Resume
	Overvoltage protection	YES/Auto Resume
	Short circuit protection	YES/Auto Resume
work environment	operation temperature (°C)	-20°C~+45°C
	humidity	10% - 90%RH No condensation
	Case Temperature Tc (°C)	85°C Max
	storage temperature (°C)	-30°C~+85°C
	life (hrs)	> 50000hrs @Tc < 65°C
Size	Size (mm)	115 x 38 x 23 (LxWxH) mm
standard	GB19510.14-2009, GB19510.1-2009	
	Dielectric Strength	IP-FG:3750V/3S
	Surge:	L/N 1.5 KV/2Ω
other	RoHS	
	RoHS (2011/65/EU), (EU)2015/863	
notes	<p>1. All parameters are not specified. The above parameters were measured at an ambient temperature of 25 °C, humidity of 50%, 100% full load, and input voltage of 230VAC/50Hz. .</p> <p>2.The LED driver power supply, as a component of the entire lighting fixture, is used in combination with user equipment, as its EMC performance is affected by the LED fixture and wiring,The user equipment supplier needs to re confirm the EMC of the entire device.</p>	

Circuit breaker information(SPN-xx-CXXXX-IP)

peak current	Half peak time	B10	B16	C10	C16
22A	166 μs	24 pc	39 pc	26 pc	42 pc

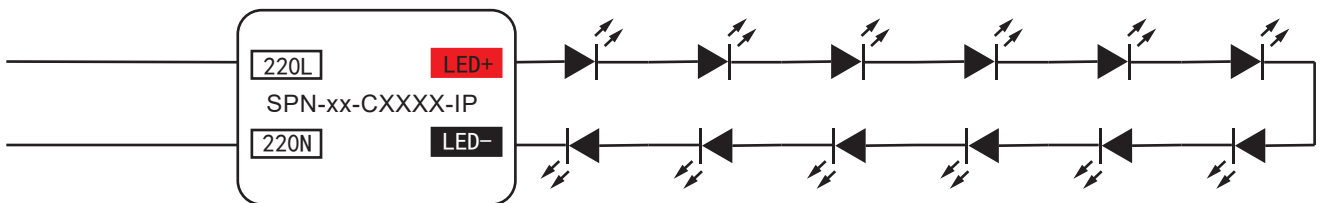
Note: With an ambient temperature of 25 °C, humidity of 50%, and 100% full load, under an input voltage of 230VAC/50Hz, the testing conditions for the number of circuit breakers configured are consistent with those for surge current testing

SPECIFICATION

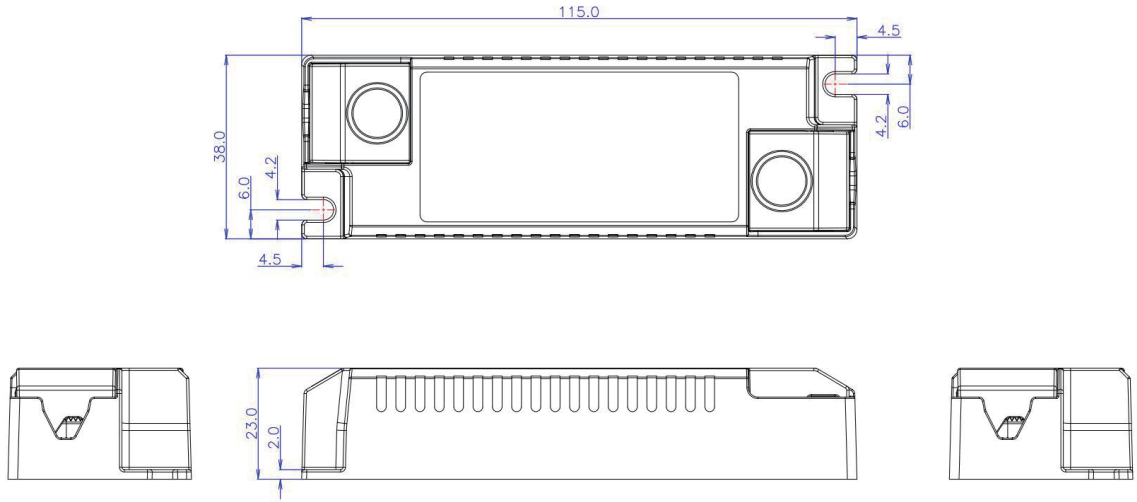
Wire&Terminal Information

category	project	Value (in units)	
Input	-15	Input terminal adapted to cable cross-section	0.5...1.5 mm ²
	-15	Input terminals adapt to cable specifications	16...20 AWG
	-15	Input cable stripping length	8.5...9.5mm
output	-25	Output terminal adapted to cable cross-section	0.5...2.5 mm ²
	-25	Output terminals adapted to cable specifications	16...20 AWG
	-25	Output cable stripping length	8.5...9.5mm
output		Output terminal adapted to cable cross-section	0.5...1.5 mm ²
		Output terminals adapted to cable specifications	16...20 AWG
		Output cable stripping length	8.5...9.5mm

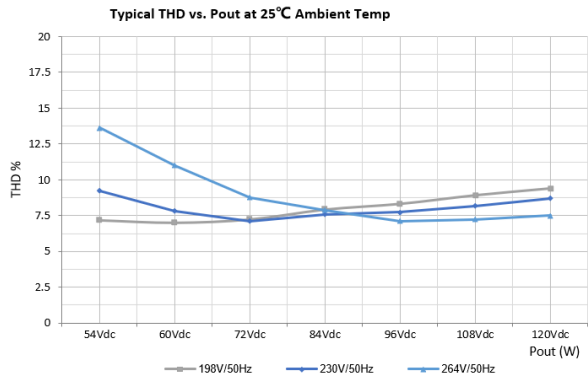
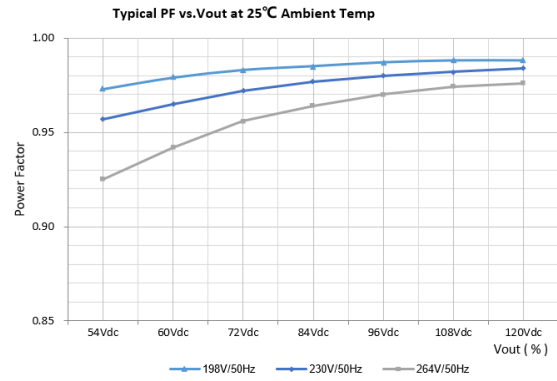
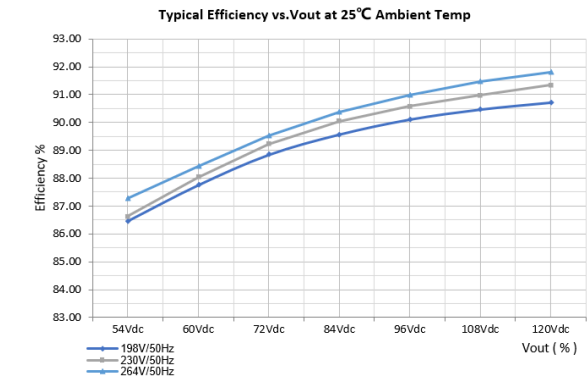
Wiring diagram



SPECIFICATION



Characteristic curve
SPN42W-120-C0350-IP-15



SPECIFICATION

Characteristic curve
SPN22W-55-C0350-IP-15

