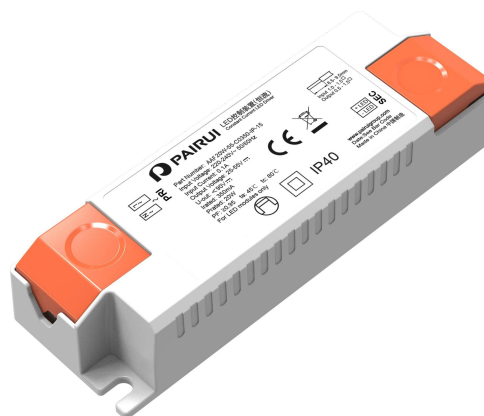


AAF Series

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

Model List

Model	Output Current(mA)	Output Voltage(V)	PF	Power(W)
AAF20W-55-C0350-IP-15	350	25-55	>0.9	20
AAF42W-120-C0350-IP-15	350	50-120	>0.9	42

Characteristics

	Project	Technicxal Indicators
Output parameters	output current (mA)	350mA
	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

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	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. 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.	

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

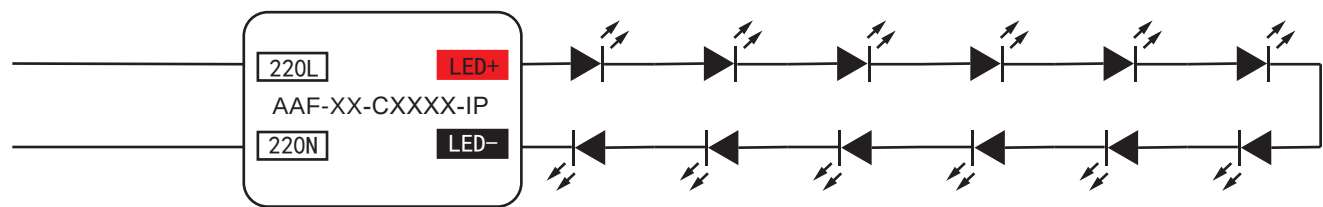
peak current	Half peak time	B10	B16	C10	C16
22A	166 μs	24 pc	39 pc	26 pc	42 pc

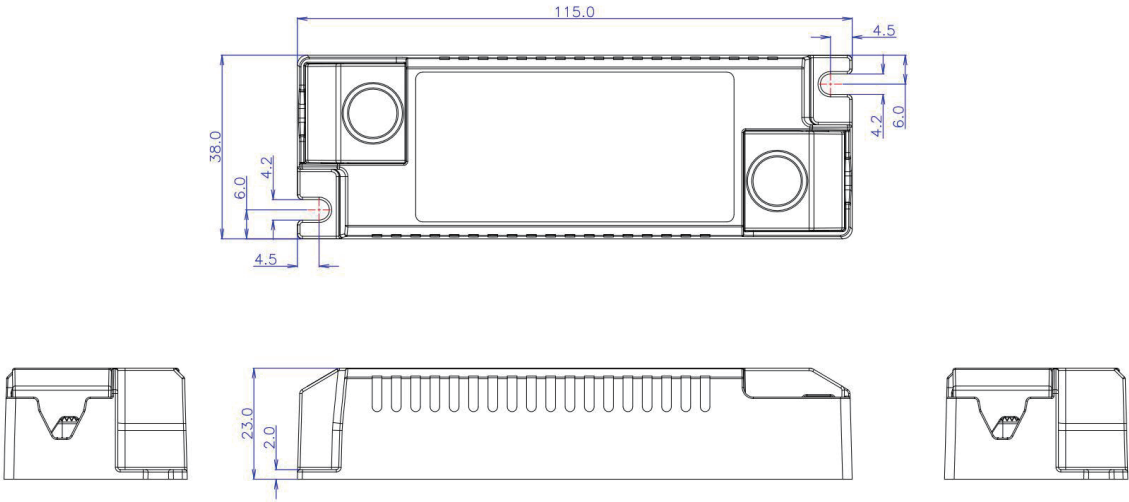
Note: With an ambient temperature of 25°C, humidity of 50%, and 100% full load, under an input voltage of 230VAC/50Hz, the testing conditions for the number of circuit breakers configured are consistent with those for surge current testing

Wire&Terminal Information

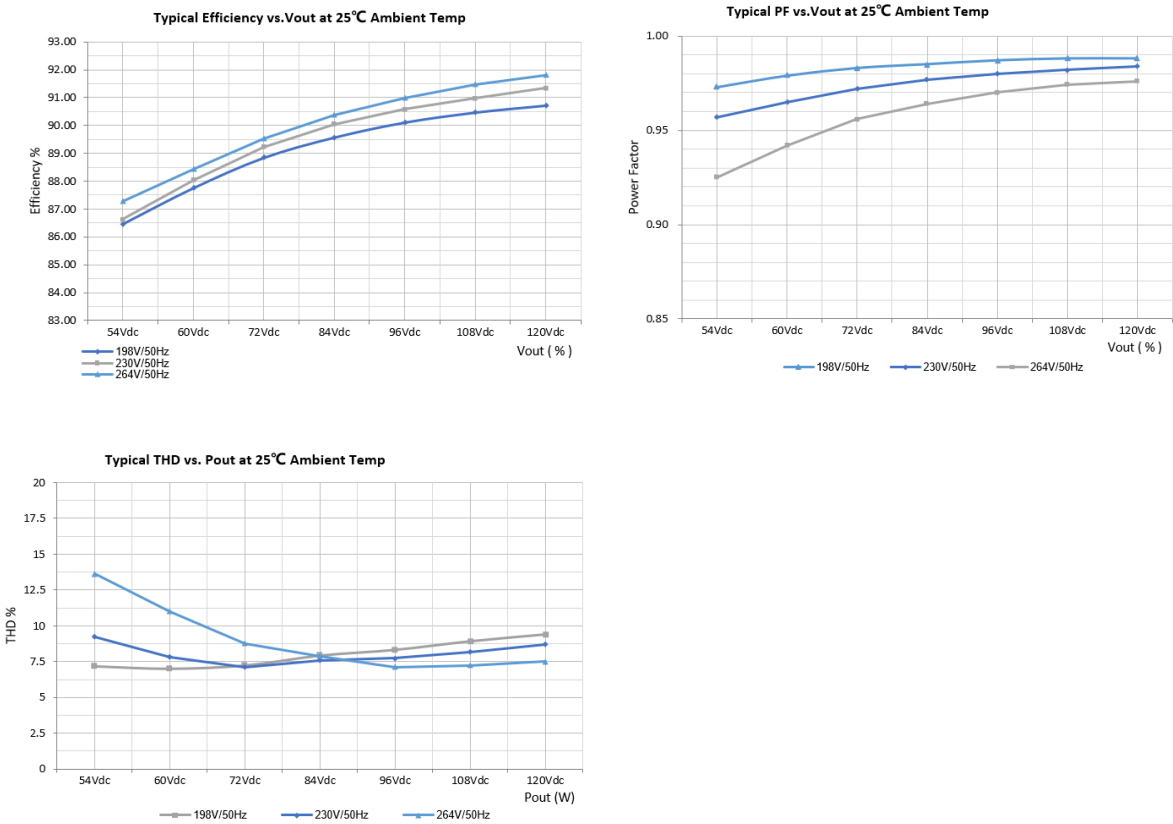
Caterory	Project	Value (in units)
Input	-15	
	Input terminal adapted to cable cross-section	0.5...1.5 mm ²
	Input terminals adapt to cable specifications	16...20 AWG
	Input cable stripping length	8.5...9.5mm
output	-25	
	Output terminal adapted to cable cross-section	0.5...2.5 mm ²
	Output terminals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

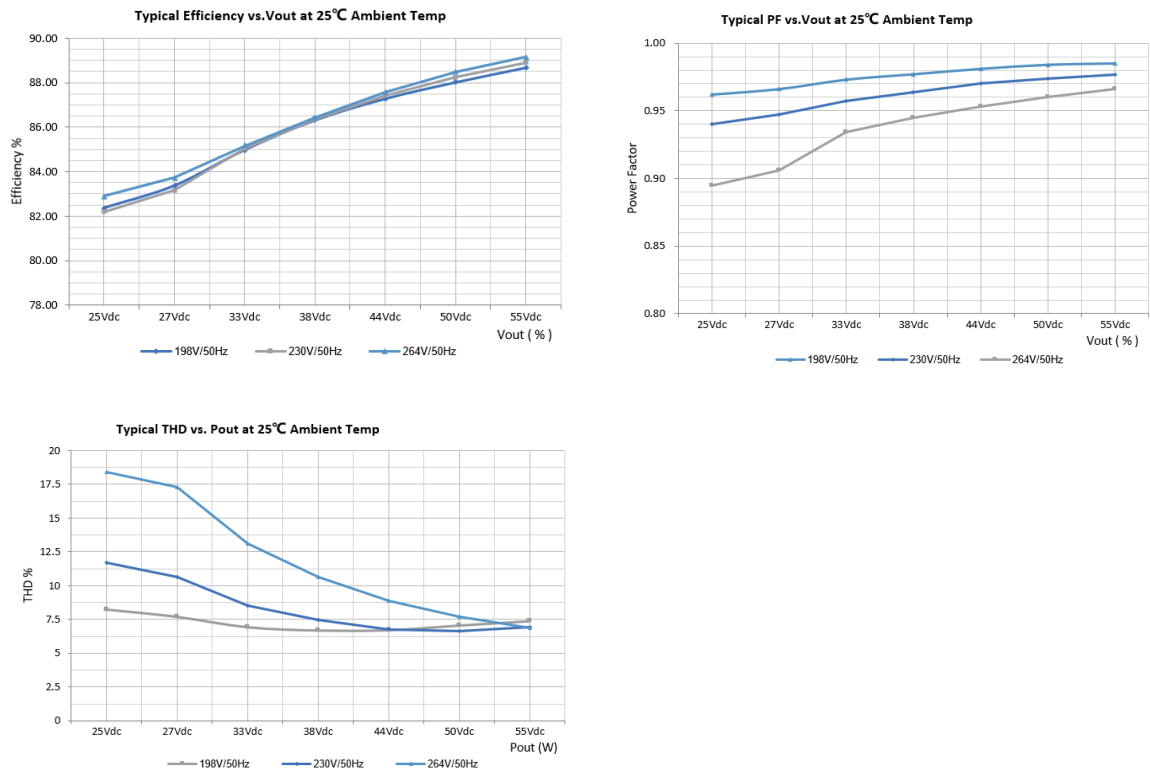




Characteristic curve
AAF42W-120-C0350-IP-15



Characteristic curve
AAF22W-55-C0350-IP-15



Tag information

AAF42W-20-C0350-IP-15

AAF20W-55-C0350-IP-15

PAIRUI LED控制装置(恒流)
Constant Current LED Driver

Part Number: AAF42W-120-C0350-IP-15
Input Voltage: 220-240V~ 50/60Hz
Input Current: 0.2A
Output Voltage: 50-120V~
U-out: <180V~
Irated: 350mA
Prated: 42W
PF: ≥0.95 ta: 45°C tc: 85°C
For LED modules only

Tc point at same location of bottom side

8.5-9.5mm
Input 1.0-1.5V
Output 0.5-1.5V

CE

IP40

www.pairui.com
Date: See Bar Code
Made in China 中国制造

PAIRUI LED控制装置(恒流)
Constant Current LED Driver

Part Number: AAF20W-55-C0350-IP-15
Input Voltage: 220-240V~ 50/60Hz
Input Current: 0.1A
Output Voltage: 25-55V~
U-out: <90V~
Irated: 350mA
Prated: 20W
PF: ≥0.95 ta: 45°C tc: 85°C
For LED modules only

Tc point at same location of bottom side

8.5-9.5mm
Input 1.0-1.5V
Output 0.5-1.5V

CE

IP40

www.pairui.com
Date: See Bar Code
Made in China 中国制造