

FSA WATERPROOF SERIES IP67

12V/24V 60W-600W



*Outdoor LED Lighting,
LED Signage and Billboards,
Parking Lots and Building Exteriors,

FEATURE

- ◎ Wide Temperature Range, Sealed Housing
- ◎ High efficiency above 86%
- ◎ 2Years warranty. Durability in Harsh Conditions
- ◎ IP67 design for indoor and outdoor use
- ◎ All 100% aging test and full load
- ◎ Protection over voltage, over current, short

PRODUCT PARAMETERS

CE FC CQC SAA RoHS

Model	Pout	Vin	Vout	Iout	Effi	IP	Size(mm)	Weight(g)	Cooling
FSA-60-12	60W	200-240V AC	DC12V/24V	5.0A/2.5A	89%	IP67	167*47*23	255g	Natural Cooling
FSA-100-12	100W	200-240V AC	DC12V/24V	8.3A/1.1A	89%	IP67	188*53*21	505g	Natural Cooling
FSA-150-12	150W	200-240V AC	DC12V/24V	12.5A/6.25A	89%	IP67	210*67*33	898g	Natural Cooling
FSA-200-12	200W	200-240V AC	DC12V/24V	16.7A/8.33A	89%	IP67	228*77*37	982g	Natural Cooling
FSA-300-12	300W	200-240V AC	DC12V/24V	25.0A/12.5A	86%	IP67	248*77*37	1085g	Natural Cooling
FSA-400-12	400W	200-240V AC	DC12V/24V	33.3A/16.7A	86%	IP67	268*77*37	1110g	Natural Cooling
FSA-500-12	500W	200-240V AC	DC12V/24V	41.7A/20.8A	86%	IP67	268*83*37	1643g	Natural Cooling
FSA-600-12	600W	200-240V AC	DC12V/24V	50.0A/25.0A	86%	IP67	288*90*37	1726g	Natural Cooling

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FSA-100W 12V

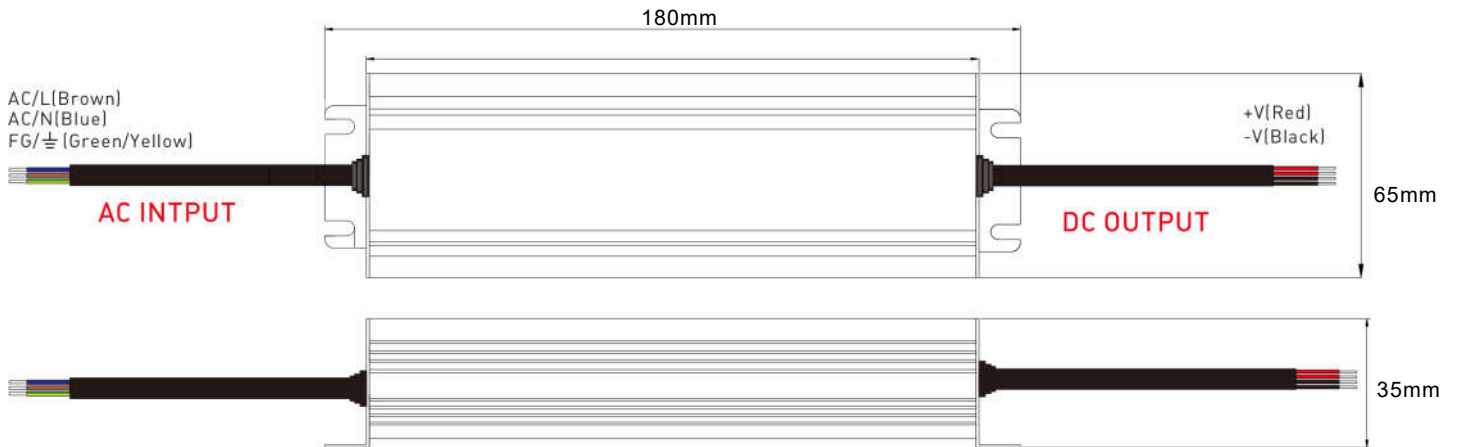
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MODEL	LED POWER SUPPLY	FSA-100W 12V	FSA-100W 24V
OUTPUT	Output voltage	12V DC	24V DC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC
	Output Current	Max 8.3A	Max 4.1A
	Output power	Max 100W	
	Output power range	0~100W	
	Ripple & Noise	≤120mV	≤240mV
	Linear Regulation	±1%	
	Load Regulation	±1%	
	Start-up Time (Typ)	600ms/230VAC	
	Hold Up Time(Typ)	100ms/230VAC	
INPUT	Input voltage	187-262Vac	
	Frequency	50/60Hz	
	Input current	0.52A/230Vac	
	Power factor	PF>0.8	
	No-load power consumption	≤3W	
	Efficiency (typ.)	91%	93%
	Inrush current(typ.)	Cold start 50A at 230Vac	
	Control surge capability	L,N:2KV L,N-PE:4KV	
	Leakage current	Max. 0.5mA	
ENVIRONMENT	Working temperature	ta: -30°C~ 50°C tc: 80°C	
	Working humidity	20 ~ 99%RH, condensing (Waterproof)	
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH	
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.	
	Over load protection	Shut down the output when current load above 110%~150%, auto recovers.	
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.	
SAFETY&EMC	Withstand voltage	I/P-O/P:3750Vac	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety standards	IEC/EN61347;IEC/EN60950;IP67	
	EMC Test Standards	EN55015: 2013;EN61547: 2009; EN61000-3-2:2014; EN61000-3-3:2013	
Reliabilityand Quality Control	Impact aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C±5°C	
	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value	
NOTE	1.All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2.Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth. 3.Ensure that the power supply is used under the rated parameters and environment.		

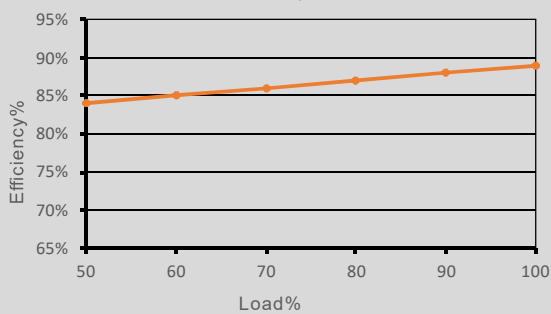
FSA-100W 12V

Dimensions

Unit:mm

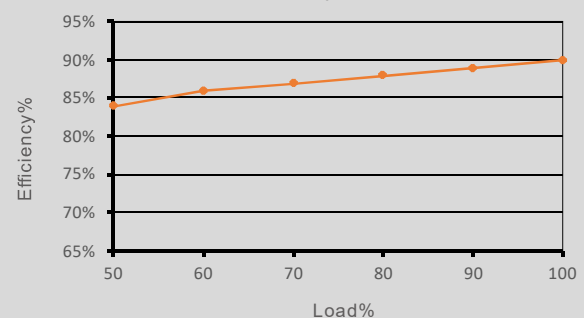


Efficiency vs Load



FSA- 100W 12V

Efficiency vs Load



FSA-100W 24V

Packaging Information

DIMENSION	185*65*35(LxWxH)
PACKING	191*68*38(LxWxH)
PCS/CTN	30pcs
CARTON SIZE	405*235*340(LxWxH)
WEIGHT	387g±10g/PCS

Temperature load curve

