

HS SEMI-POTTED RAINPROOF

12V 100W-700W



*Outdoor LED Lighting, Building LED lighting
LED Signage and Displays,
Street and Pathway Lighting,

FEATURE

- ◎ 2 years warranty
- ◎ 100% full load burn-in test
- ◎ LED indicator for power on
- ◎ Protections: Short circuit / Overload / Over voltage
- ◎ Efficient Heat Dissipation, long life and high reliability
- ◎ Semi-Potted Construction, Dust and Debris Resistance

PRODUCT PARAMETERS

CE FC   RoHS

Model	Pout	Vin	Vout	Iout	Effi	IP	Size(mm)	Cooling
HS-100-12	100W	AC200-240V	DC12/24V	8.3A	93%	IP65	135*92*48	Natural Cooling
HS-200-12	200W	AC200-240V	DC12/24V	16.7A	93%	IP65	155*92*48	Fan Cooling
HS-300-12	300W	AC200-240V	DC12/24V	25.0A	92%	IP65	175*92*48	Fan Cooling
HS-400-12B	400W	AC200-240V	DC12/24V	33.3A	86%	IP65	193*110*46	Fan Cooling
HS-400-12A	400W	AC200-240V	DC12/24V	33.3A	92%	IP65	205*115*46	Fan Cooling
HS-500-12	500W	AC200-240V	DC12/24V	41.7A	90%	IP65	205*115*46	Fan Cooling
HS-600-12	600W	AC200-240V	DC12/24V	50.0A	90%	IP65	212*118*52	Fan Cooling
HS-700-12	700W	AC200-240V	DC12/24V	58.0A	90%	IP65	212*118*52	Fan Cooling
HS-300-5	300W	AC200-240V	DC5V	60.0A	93%	IP65	193*110*46	Fan Cooling
HS-350-5	350W	AC200-240V	DC5V	70.0A	92%	IP65	205*115*46	Fan Cooling
HS-400-5	400W	AC200-240V	DC5V	80.0A	90%	IP65	212*118*52	Fan Cooling

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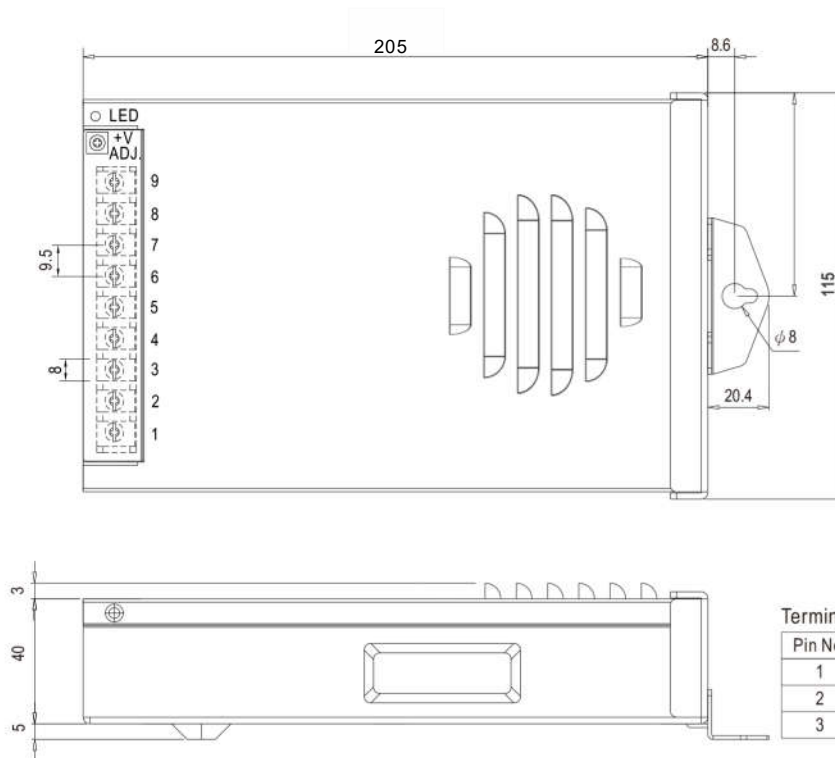
HS SEMI-POTTED RAINPROOF

HS-400W 12/24V A

Model		HS-400W 12V A	HS-400W 24V A
OUTPUT	DC voltage	12V	24V
	Rated current	33.3A	16.7A
	Cuttent range	0-33.3A	0-16.7A
	Rated output power	400W	400W
	Ripples and noise	≤200mVp-p	≤300mVp-p
	Output current range	11.5-12.5V	23-25V
	Precision of output voltage regulation	±0.5%	±0.5%
	Rate of lenear adjustment	±0.5%	±0.5%
	Load adjustment rate	±0.5%	±0.5%
	The startup time	≤2s/230VAC	
INPUT	Keep time	10ms/230VAC	
	Voltage range	176-264VAC	
	Frequency range	50Hz	
	Power factor	PF≥0.6/230VAC	
	Efficiency	≥91%	≥93%
	Alternating current	3.4A/230VAC	
	Surge current	50A/230VAC	
	Leakage current	<5mA/230VAC	
PROTECTION	Overload	110%-140%: rated 110%-140% of the total power input protection mode:Auto recovery mode.the system automatically recovers when abnormal load conditions are removed	
	Short circuit	protection mode:Auto recovery mode.the system automatically recovers when abnormal load conditions are removed	
	Over voltage	protection mode:self-recovery mode,automatic recovery when the overvoltage is removed	
	Over temperature	protection mode:self-recovery mode,automatically recover when the temperature drops	
ENVIRONMEN		working temperature	-35~+50°C
		working humidity	20-90% RH
		storage temperature;humidity	-30~+85°C; 10~95% RH
		temperature coefficient	±0.1%/°C(0-35°C)
		resistance to vibration	10-500Hz, 3G 10min. / 1 cycle, 60 min. each axes
SAFETY&EMC		safety norms	EN60950 , GB4943.1 -2011
		withstand voltage	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
		insulation impedance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
		EMC	--
other		protection grade	IP62
		MTBF	≥30khour 25°C
		power supply size	L205*W115*H46mm
		power supply weight	625g
NOTE		1.Unless otherwise specified , all specification are measured at an input of 230VAC,rarted negative cut,and ambient temperature of 25°C	
		2.Ripple and noise measurement method:the measured end is connected in parallel with a 0.1uF+10uF capacitor,the oscilloscope is set to 20MHZ bandwidth,and the probe is tested with cap off and full load at 25°C	
		3.Accuracy :includes setting error , linear adjustment rate and load adjustment rate .	
		4. The output power is reduced when the input voltage is less than 200VAC.	

Mechanical Specification

Case No.230 Unit:mm

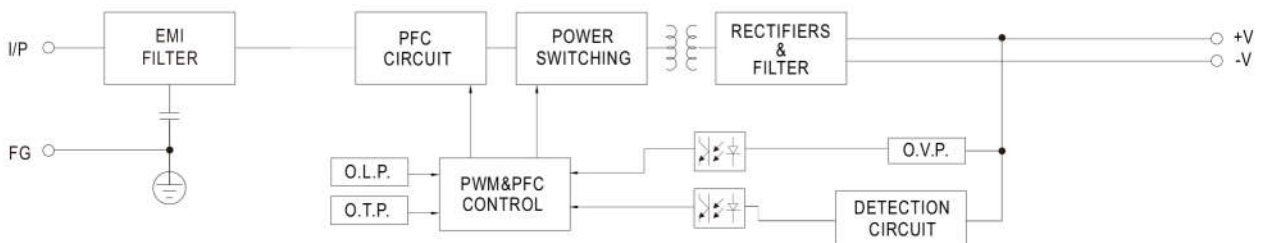


Terminal Pin No. assignment :

Pin No.	Assignment	Pin No.	Assignment	Max mounting torque
1	AC/L	4~6	DC OUTPUT +V	8Kgf-cm
2	AC/N	7~9	DC OUTPUT -V	
3	FG $\perp$			

Block Diagram

fosc : 80KHz



Packaging Information

DIMENSION	205*115*45(LxWxH)
PACKING	211*118*48(LxWxH)
PCS/CTN	28pcs
CARTON SIZE	510*320*250(LxWxH)
WEIGHT	750g±10g/PCS

Temperature load curve

