



# 120W&240W Charging power supply

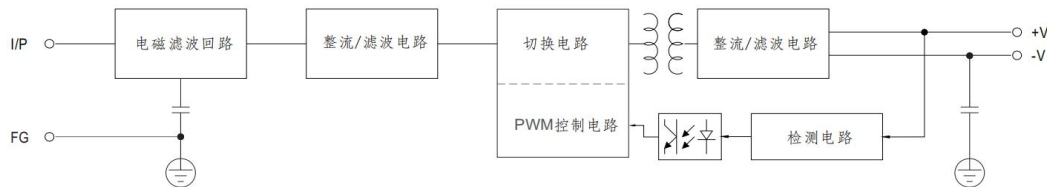
HS Series

- High efficiency, long service life and high reliability
- output protection function: Over current/short circuit
- ultra wide operating temperature range-20°C~70°C
- long service life electrolytic capacitor
- 100% full load ageing test
- IP67 waterproof
- 3 years



MODEL		HS-120C-12	HS-120C-24	HS-240C-24
OUTPUT	DC Output	13.8V	27.6V	27.6V
	Rated Current	10A	5A	10A
	Current Range	0~10A	0~5A	0~10A
INPUT	Voltage Range	88 ~ 132VAC / 176 ~ 264VAC(Switch switching)Or248 ~ 370VDC		
	Frequency Range	47Hz~63Hz		
	Efficiency	78%	80%	82%
	Inrush Current (Typical)	<60A@230VAC <30A@115VAC Cold start		
PROTECTION	Over Load	90 % ~ 110% of rated output power		
	Over power	120%~140% Rated output voltage, turn off the output, restart and recover automatically		
	Short Circuit	Long-term mode, auto recovery		
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~70°C; 25%~90%RH		
	Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH		
SAFETY&EMC	Safety Standards	Reference UL60950-1, TUV EN60950-1, EN60335, EN60335-1, EN60335-2-29,EAC TP TC 004		
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC		
OTHERS	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)		
	Dimension (L*W*H)	199*98*38mm		
	Packing	600g/PCS		
	Cooling method	Cooling by free air convection		
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.			

Block diagram of internal mechanism



Declining curve:

