



300W Battery Charging power supply

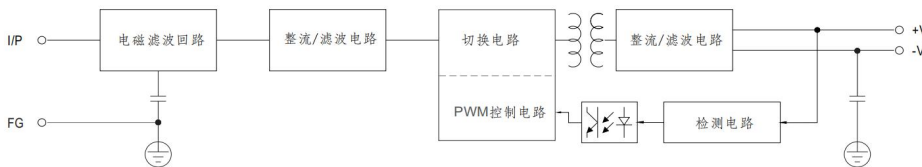
HS Series

- 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

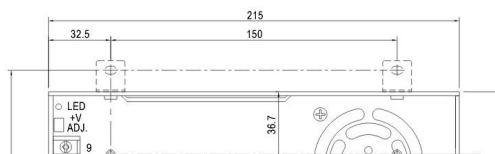


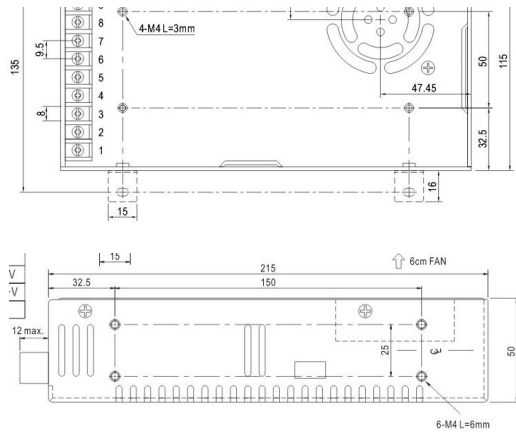
MODEL		HS-300C-12	HS-300C-24
OUTPUT	DC Output	13.8V	27.6V
	Rated Current	22A	11A
	Current Range	0~22A	0~11A
INPUT	Voltage Range	88 ~ 132VAC / 176 ~ 264VAC (switch switching) Or 248 ~ 370VDC	
	Frequency Range	47Hz~63Hz	
	Efficiency	80%	82%
	Inrush Current (Typical)	<60A@230VAC <30A@115VAC Cold start	
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)	215*115*50mm	
	Packing	1200g/PCS	
	Cooling method	Full load	
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



Dimension drawing of mechanism:





Declining curve:

