

## Compact single switching power supply 100W

### Features:

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections: short circuit/over load
- cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 2 Year warranty



### HS-100W

Model		HS-100-5	HS-100-12	HS-100-15	HS-100-24
Output	DC voltage	5V	12V	15V	24V
	Voltage tolerance	±2%	±1%	±1%	±1%
	Rated current	20A	8.3A	6.7A	4.2A
	Current range	0~20A	0~8.3A	0~6.7A	0~4.2A
	Rated power	100W	99.6W	100.5W	100.8W
	Ripple&noise	80mvp-p	120mvp-p	120mvp-p	150mvp-p
	DCvoltage	-9%~+10%	±10%	±10%	±10%
Input	Voltage range	90~132VAC/180~264VAC(selected by switch), 254~373VDC			
	Frequency	47~63Hz			
	AC current	2.4A/115VAC, 1.2A/230VAC			
	Efficiency	79%	83%	83%	85%
	Inrush current	Cold start current 18A/115VAC, 36A/230VAC			
Protection	Leakage current	< 3.5mA/240VAC			
	Overload	Rated output power115%~150% start over load protection protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	6.8~8.2V	15.6~17.8V	18.6~20.8V	30.6~33.2V
Environment	Working	-10℃~+60℃, 20%~90%RH			
	Storage temp,humidit	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500HZ, 2G 10min/1cycle, period for 60 minutes, each			
Safety	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
Fitstandard	Safety standard	Fit UL1012			
	EMC standard	meet EN55022, CLASSA			
Others	Dimension	159*97*38mm (L*W*H)			
	Weight/packing	0.48kg/45pcs/22.5kg/0.041 m <sup>3</sup> /1.45CUFT			
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation.				