25W Single Output Switching Power Supply   **S-25** series

Features：

· Universal AC input/ full range

· Small volume，low weight，high efficiency

· Protections：short circuit/over load

· LED indicator for power on

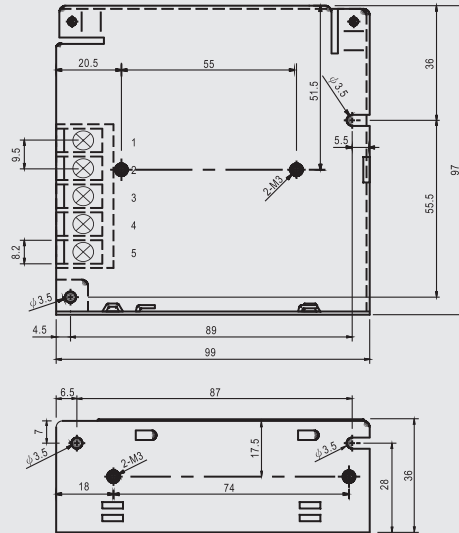· 100% full load burn-in test

· 1 Year warranty

Dimension：99×97×36mm

SPECIFICATION

	Model	S-25-12	S-25-15	S-25-24
Output	DC voltage	12V	15V	24V
	Voltage tolerance	±1%	±1%	±1%
	Rated current	2.1A	1.7A	1.1A
	Current range	0~2.1A	0~1.7A	0~1.1A
	Rated power	25.2W	25.5W	26.4W
	Ripple&noise	100mVp-p	100mVp-p	120mVp-p
	DC voltage ADJ. range	±10%	±10%	±10%
	Setup，rise，hold up time	200ms,100ms,30ms/230VAC.		
Input	Voltage range	100~240VAC，47~63Hz，255~373VDC		
	AC current	0.60A/115V 0.35A/230VAC		
	Efficiency	70%	71%	74%
	Inrush current	Cold start 15A/115V 30A/230VAC		
	leakage current	＜3.5mA/240VAC		
Protection	Overload	Rated output power105%~135%Start overload protection		
		Protection type：part layer type current limit，auto-recovery after fault condition is removed		
Environment	Working temp，humidity	-10℃~+60℃;20%~90%RH(Please refer to"derating curve")		
	Storage temp，humidity	-20℃~+85℃;10%~95%RH Non-condensing		
	Withstand vibration	10~500Hz，2G 10min./1Cycle，Period for 60min，Each axes		
Safety	Withstand voltage	I/P-O/P：1.5KVAC I/P-FG：1.5KVAC O/P-FG：0.5KVAC		
	Isolation resistance	I/P-O/P：I/P-FG,O/P-FG：100M Ohms/500VDC		
Fit standard	Safety standard	Fit UL1012		
	EMC Standard	Fit EN55022，CLASSA		
Others	Dimension	0.3kg 99*97*36mm（L*W*H）		
	Weight	0.3kg/60pcs/19kg/1.20CUFT		

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.
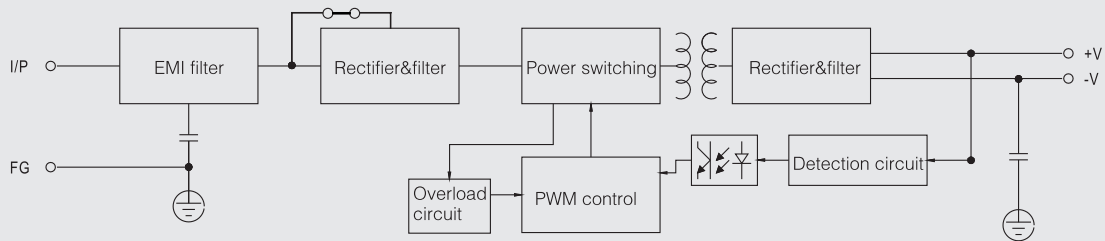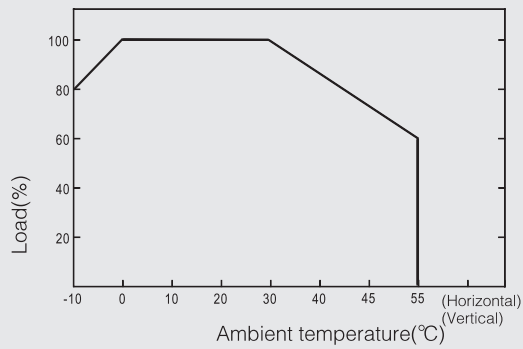
Mechanical specification

Unit:mm

Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
5	AC/N	2	DC OUTPUT -V
4	AC/L	1	DC OUTPUT +V
3	FG $\perp$		

Block diagram

I/P

EMI filter — Rectifier&filter — Power switching — Rectifier&filter — +V / -V

FG

Overload circuit — PWM control — Detection circuit

Derating curve

Load(%)

Ambient temperature(℃)

(Horizontal)
(Vertical)

Static characteristic

Ta=25℃

Load(%)

Input voltage(V)50Hz