



Dimension: 84 × 58 × 38mm

## Features:

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

CE

## SPECIFICATION

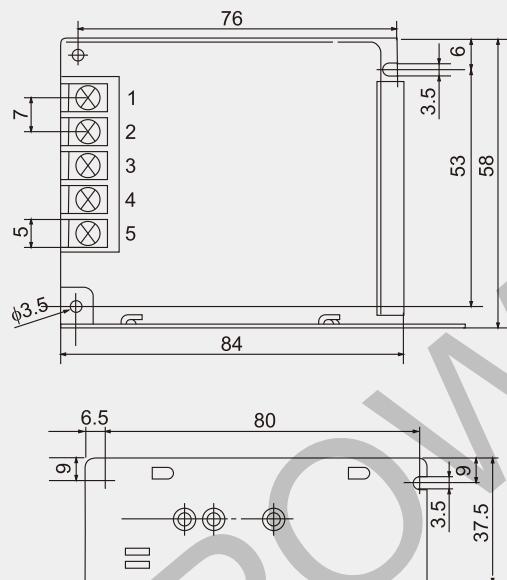
	Model	HS-40-12	HS-40-15	HS-40-24
Output	DC voltage	12V	15V	24V
	Voltage tolerance	± 1%	± 1%	± 1%
	Rated current	3.4A	2.8A	1.7A
	Current range	0 ~ 3.4A	0 ~ 2.8A	0 ~ 1.7A
	Rated power	40.8W	42W	40.8W
	Ripple&noise	120mVp-p	120mVp-p	150mVp-p
	DC voltage ADJ. range	± 10%	± 10%	± 10%
Input	Setup, rise, hold up time	800ms,20ms,24ms/230VAC.		
	Voltage range	90 ~ 264VAC 47 ~ 63Hz, 135 ~ 373VDC		
	AC current	0.85A/115VAC	0.50A/230VAC	
	Efficiency	81%	82%	83%
Protection	Inrush current	Cold start30A/230VAC		
	leakage current	< 0.5mA/240VAC		
	Overload	Rated output power135% ~ 170%Start overload protection Protection type: hiccup mode, auto-recovery after fault condition is removed		
Environment	Over voltage	Rated output power145% ~ 170% Protection type: hiccup mode, auto-recovery after fault condition is removed		
	Over voltage	When temperature of transistor inner node is over 150°C,Start over temp protection Protection type: hiccup mode, auto-recovery after temperature become normal		
	Working temp, humidity	-10°C ~ +60°C;20% ~ 90%RH(Please refer to "derating curve" )		
Safety	Storage temp, humidity	-20°C ~ +85°C;10% ~ 95%RH Non-condensing		
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes		
Fit standard	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		
Others	Safety standard	Fit UL1012		
	EMC Standard	Fit EN55022, CLASAA		
	Dimension	0.17kg 84*58*38 ( L*W*H )		
	Weight	0.17kg/80pcs/14.5kg/0.87CUFT		

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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

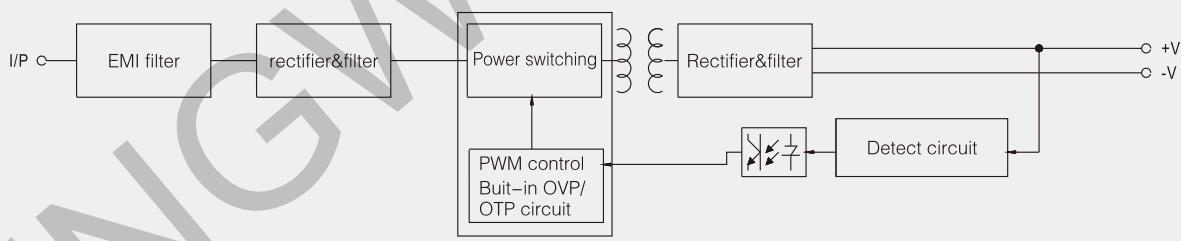


Terminal Pin No.Assignment

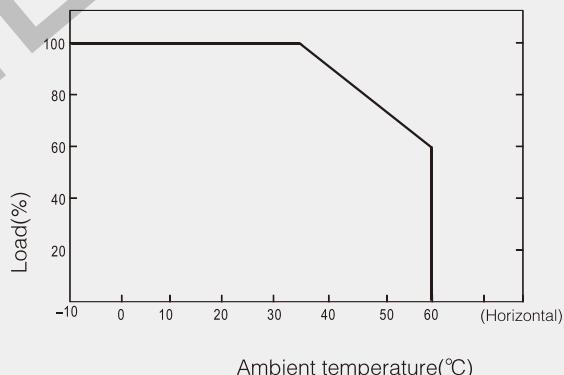
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG $\pm$		

Block diagram

Frequency: 60KHz



Derating curve



Static characteristic

