

### ■ Features

- ✚ Low price and high reliability
- ✚ 170V-264V AC input power
- ✚ High efficiency and low operation temperature
- ✚ Soft-start current can reduce the AC input impact effectively
- ✚ With Short-circuit and overload protection
- ✚ 100% full-load burning test
- ✚ Small bulk design
- ✚ Installed with EMI filter, minimum wave.
- ✚ 2 years warranty

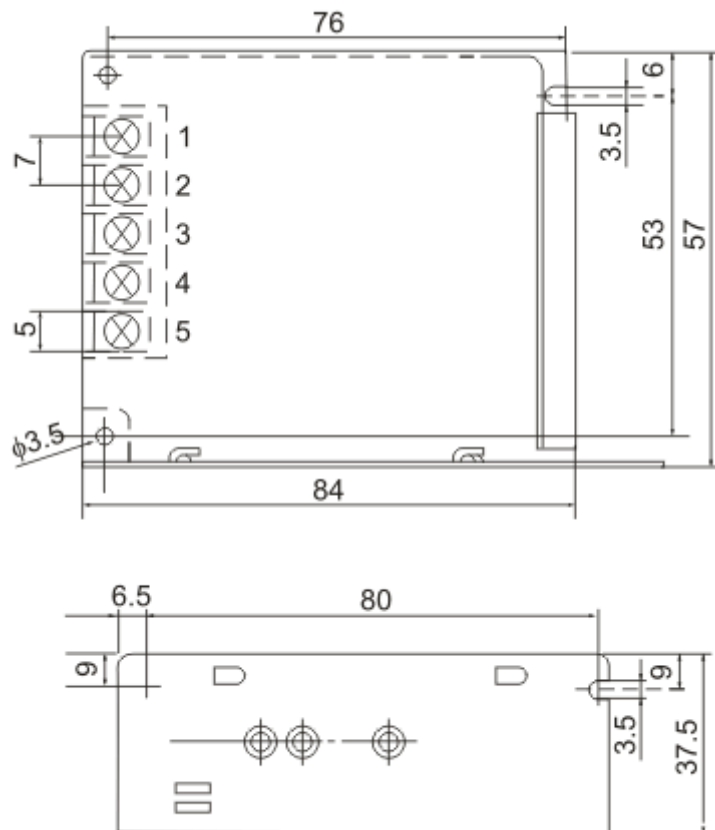
### ■ Specification

Model	HS-50-12	HS-50-15	HS-50-24
DC output voltage	12V	15V	24V
Output voltage error (Note: 2)	±1%	±1%	±1%
Rated output current	4.2A	3.4A	2.1A
Output current rage	0-4.2A	0-3.4A	0-2.1A
Wave and noise(Note : 3)	100mVp-p	100mVp-p	100mVp-p
Inlet stability(Note : 4)	±0.5%	±0.5%	±0.5%
Load stability (Note : 5)	±0.5%	±0.5%	±0.5%
DC output power	50.4W	51W	50.4W
Efficiency	78%	78%	78%
Adjustable range for DC voltage	+10%	+10%	+10%
AC input voltage range	170-264VAC, 47-63Hz; 240-370VDC		
Input current	0.65A/230A		
AC Inrush current	Cold-start current 36A/230V		
Leakage current	<2mA/240VAC		
Overload protection	105%-150%Type:Foldback:current limiting reset: auto recovery		
Temperature coefficient	±0.03%/°C (0-50°C)		
Setup rise hold up time	200ms,100ms,30ms		
Vibration	10-500HZ,2G 10min,/1cycle, Period for60min, Each axes		
Withstand voltage	Input and output internal: 1.5KVAC,Input and enclosure: 1.5KVAC,Output and enclosure: 0.5KVAC		
Isolation resistance	Input and output internal: Input and enclosure, Output and enclosure: 500VDC/100MΩ		


Working temperature and humidity	-10℃~+60℃ (Refer to output derating curve) , 20%~90%RH
Store temperature and humidity	-20℃~+85℃。10%~95%RH
Overall dimension	84×58×38mm
Weight	0.26Kgs
<p>Note:</p> <ol style="list-style-type: none"> <li>1.The testing condition for the parameter above is :230VAC input, rated load,25℃70% RH.Humidity.</li> <li>2. Error.include the setting error, line stability and load stability. (Note: 5).</li> <li>3.Wave test: adopting "A12"double wire for 20MHz, and 0.1UF&amp;47UF capacitor short-circuit for interrupting.</li> <li>4. Inlet voltage stability test: when is over load, the lowest voltage of inlet is up to the highest voltage.</li> <li>5. Load stability test: the load is from 0% to 100%.</li> </ol>	

## ■ Shape and installation dimension

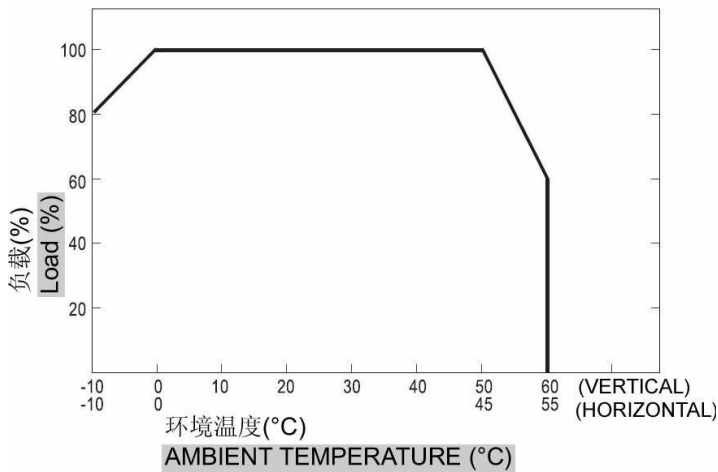
Unit: mm



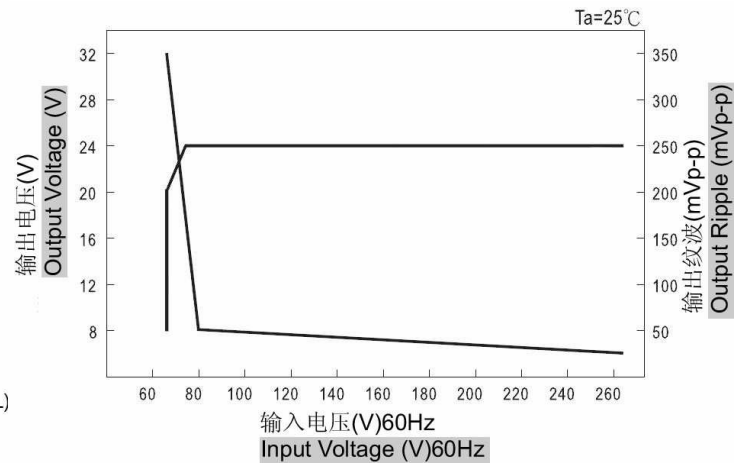
### Terminal Pin No Assignment (5 point 6.5mm Pin)

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

## ■ Load Derating Curve



## ■ Static Characteristics (24V)



## ■ Notice

1. Be sure to confirm the signification of sign above the pole before connection.

**L:** LINE (AC input)      **N:** Neutral (AC input)      **≡(FG):** Protective Ground

**-V (COM):** DC output cathode

**+V:** DC output anode

**VADJ:** Output Voltage adjustment

2. Switch power supply can be used 110V and 220V AC power for input, The AC Voltage switch is in the top of the power supply sub-rack. Before plug in please check the voltage position is correct or not otherwise may take a permanent damage in this power supply.
3. Be sure to keep the ground wire connection, avoid electric shock and common mode interference or differential mode interference.

**Multiple view, more attention!**

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