



■ Features

- ✚ Low price and high reliability
- ✚ AC input power suitable for the world
- ✚ 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-100-5	HS-100-7.5	HS-100-12	HS-100-15	HS-100-24	HS-100-48
DC output voltage	5V	7.5V	12V	15V	24V	48V
Output voltage error (Note: 2)	±2%	±1%	±1%	±1%	±1%	±1%
Rated output current	20A	13.5A	8.5	6.7A	4.5A	2.2A
Output current rage	0-20A	0-13.5A	0-8.5	0-6.7A	0-4.5A	0-2.2A
Wave and noise(Note : 3)	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
Inlet stability(Note : 4)	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load stability (Note : 5)	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	100W	102W	102W	100.5W	108W	96W
Efficiency	78%	81%	81%	84%	84%	84%
Adjustable range for DC voltage	4.75 ~ 5.5V	6.75 ~ 8.25V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
AC input voltage range	85-132VAC /176~264VAC selected by switch, 47~63Hz;240~370VDC					
Input current	2.4A/115V 1.2A/230A					
AC Inrush current	Cold-start current 30A/115V 60A/230V					
Leakage current	<1mA/240VAC					
Overload protection	105%-150%Type:Foldback:current limiting reset: auto recovery					
Over voltage protection	115-135%					
Temperature coefficient	±0.03%/℃ (0-50℃)					
Setup rise hold up time	200s,50ms,20ms					
Vibration	10-500Hz,2G 10min,/1cycle. Period for60min, Each axes					

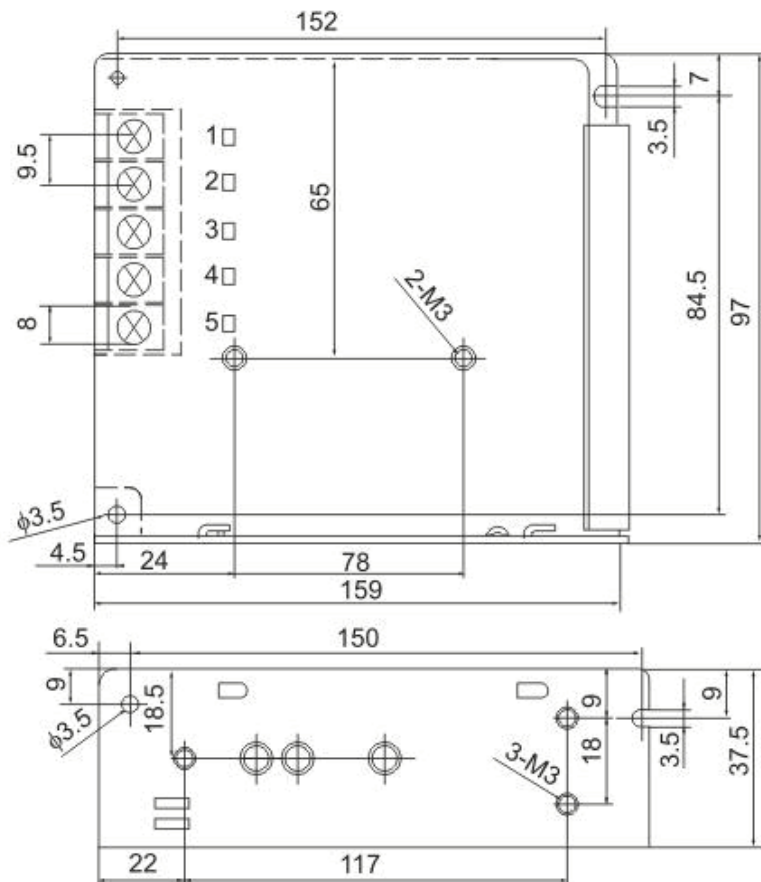
Withstand voltage	Input and output internal: 1.5KVAC, Input and enclosure: 1.5KVAC, Output and enclosure: 0.5KVAC
Isolation resistance	Input and output internal: Input and enclosure, Output and enclosure: 500VDC/100MΩ
Working temperature and humidity	-10℃~+60℃ (Refer to output derating curve) , 20%~90%RH
Store temperature and humidity	-20℃~+85℃. 10%~95%RH
Overall dimension	159×98×38mm
Weight	0.45Kgs

Note:


1. The testing condition for the parameter above is :230VAC input, rated load, 25℃ 70% RH. Humidity.
2. Error. include the setting error, line stability and load stability. (Note: 5).
3. Wave test: adopting "A12" double wire for 20MHz, and 0.1UF&47UF capacitor short-circuit for interrupting.
4. Inlet voltage stability test: when is over load, the lowest voltage of inlet is up to the highest voltage.
5. Load stability test: the load is from 0% to 100%.

■ Shape and installation dimension

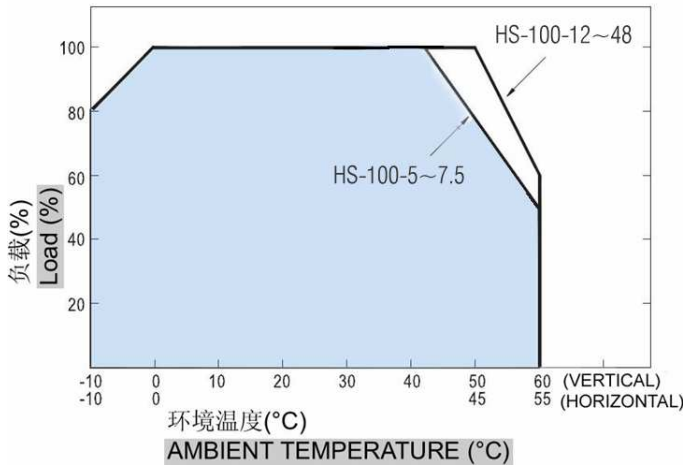
Unit: mm



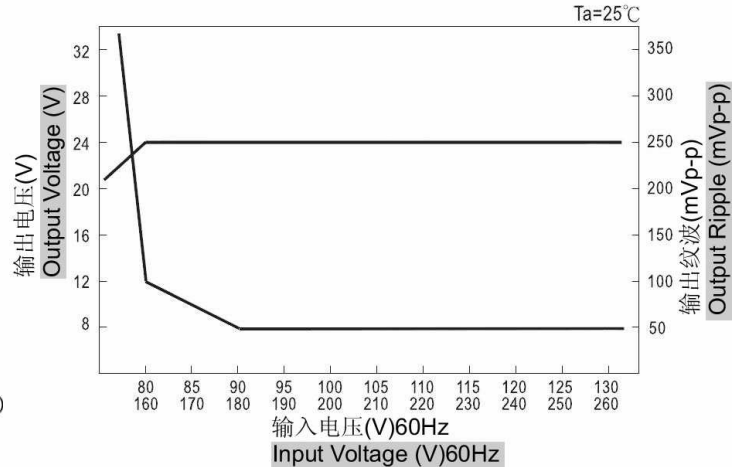
Terminal Pin No Assignment (7 point 9.5mm Pin)

Pin No.	Assignment	Pin No.	Assignment
1	AC INPUT/L	4.5	DC OUTPUT COM
2	AC INPUT/N	6.7	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.

Shenzhen mulview technology limited is professional manufacturer developing Switching Power Supply, CCTV power supply and AC/DC Adapter. We can make OED/OEM.

Multiple view, more attention!

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