SWITCH POWER SUPPLY 200W single output switching power supply **200 series**

■ 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
- Installed with EMI filter, minimum wave.
- 2 years warranty

■ Specification

Model	**201-5**	**201-7.5**	**201-12**	201-13.5	201-15	**201-24**	**201-27**	**201-48**
DC output voltage	3V	7.5V	12V	13.5V	15V	24V	27V	48V
Output voltage error（Note：2）	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
Rated output current	40A	26.5A	16.5A	14.7A	13A	8.3A	7.4A	4.2A
Output current rage	0-40A	0-26.5A	0-16.5A	0-14.7A	0-13A	0-8.3A	0-7.4A	0-4.2A
Wave and noise(Note ： 3）	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
Inlet stability(Note ： 4）	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load stability (Note ： 5）	±1%	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	200W	198.75W	198W	198.45W	198W	199.2W	199.8W	201.6W
Efficiency	74%	79%	80%	80%	81%	83%	83%	84%
Adjustable range for DC voltage	4.5-5.6V	6-9V	10-13.2V	12-15V	13.5-18V	20-26.4V	26-32V	41-56V
AC input voltage range	90~132VAC/180-264VAC selected by switch, 47-63Hz；254-370VDC							
Input current	4.5A/115V 2.5A/230V							
AC Inrush current	25A/115V 50A/230V							
Leakage current	<3.5mA/240VAC							
Overload protection	105%~150% Tpye:pulsing hiccup shutdown Reset: auto recovery							
Over-voltage protection	5.75~6.75V	9.4~10.9V	13.8~16.2V	15.5~18.2V	18~21V	27.6~32.4V	33.7~39.2V	57.6~67.2V
High-temperature protection	ERH3≥90℃ Output shutdown							
Temperature coefficient	±0.03%/℃(0~50%)							
Setup rise hold up time	200ms,100ms,20ms							
Vibration	10~500Hz,2G 10min,/1cycle,Period for 60min,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	215×115×50mm
Weight	0.9Kgs
Safety standards	Design refer to UL1950
EMC standards	Design refer FCC PART15 J Conduction class A

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).

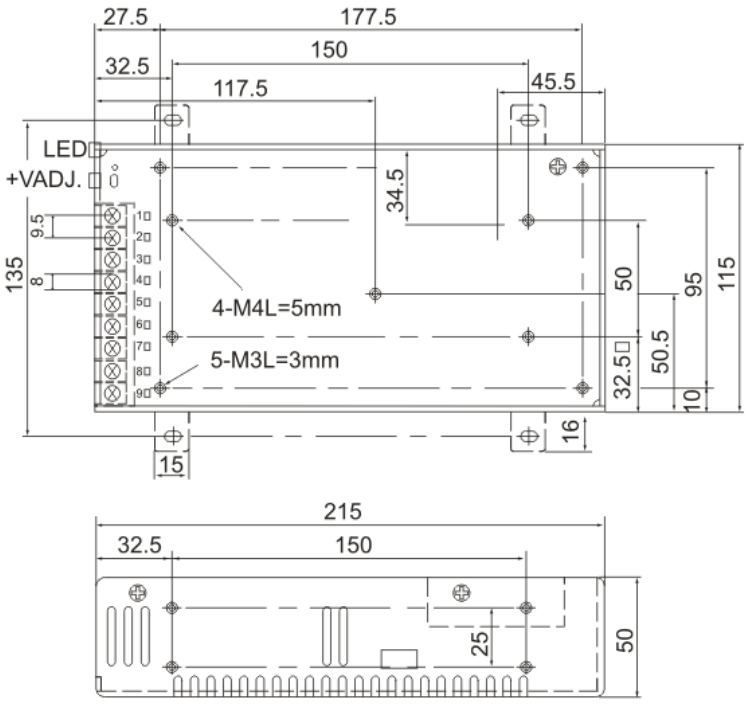
3.Wave test: adopting "A12"double wire for 20MHz, and 0.1UF&47UF capacitor short-circuit for interrupting.

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

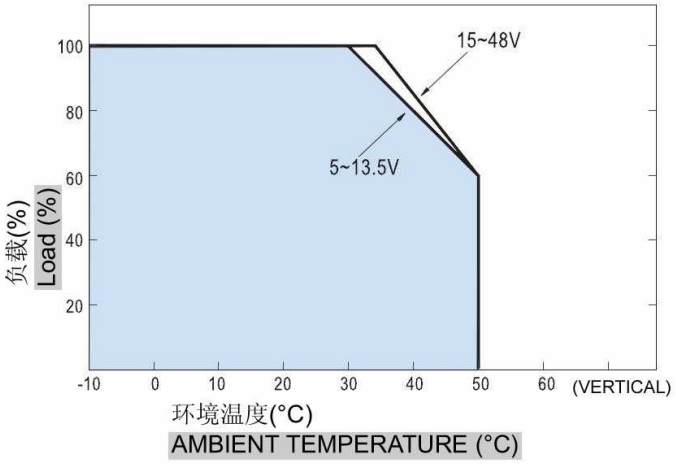
Unit: mm



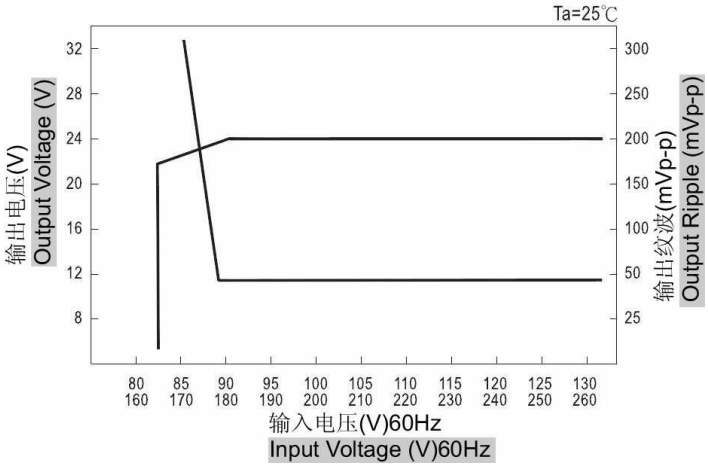
Terminal Pin No Assignment（9 point 9. 5mm Pin）

Pin No.	Assignment	Pin No.	Assignment
1	AC INPUT/L	4.5.6	DC OUTPUT -V
2	AC INPUT/N	7.8.9	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.