

	Shenzhen Leadpower Technology Co.,Ltd.	Document No.	QW-7.5.1-GGS0068
	Technical Documents	Version	B/0
Specification		Prepared Date	2016-03-07
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Specification

Model No.: R₁E₁-H350-V012

Product Description:

190-250Vac input/ 12Vdc 29A output/ Switching Power Supply

(Other DC output voltage are also available, such as 24V)

	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE			
DATE			

Document Status: ☐ Draft ☒ Official Release

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Specification

Product Name:	Switching power supply	Applications: indoor, outdoor
Model No.:	R ₁ E ₁ -H350-V012	Features:
		1.Wide input voltage input
		2.Working temperature range -30℃~+50℃
		3. With over current protection, over power protection, & short circuit protection
		Installation Method: Vertical installation

1.Product Parameters:

Output Characteristics	Rated Output Voltage	12Vdc	/	/	/
	Rated Output Current	29A	/	/	/
	Rated Output Power	348W			
	Output Voltage Accuracy	±1%			
	Output ripple & noise	≤150mV			
Input Characteristics	Input Voltage Range	190V-250Vac			
	Input Frequency Range	50 / 60HZ			
	Input Current	≤3.5A(190-250Vac)			
	Efficiency	≥83%(Typ.)			
Protective Characteristics	Over-Current Protection	■YES □NO (35-45A)			
	Short-Circuit Protection	■YES □NO Restart to recover after fault condition is removed.			
Environmental Characteristics	Working Temperature	-30℃ ~ 50℃			
	Working Humidity	20~95%RH, (non-condensing)			
	Storage Temperature	-35℃ ~ 85℃			

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	Storage Humidity		10~95%RH		
	IP Rating		■IP23 □IP67 □IP68 □NO		
	Vibration		10~500HZ, 5G, 30 minutes(for X,Y, Z each axis)		
Safety & EMC	Safety Standard		GB4943 / EN60950		
	Dielectric Strength (Hi-Pot)	I/P-O/P	1.5KVAC/ 10mA/ 60S		
		I/P-FG	1.5 KVAC/ 10mA/ 60S		
		O/P-FG	0.5 KVAC/ 10mA/ 60S		
	Insulation Resistance		100MΩ Max/ 500VDC/ 3S		
	Grounding Resistance		100mΩ		
	EMC		GB17625.1-2003(idt IEC 61000-3-2:2001)		
Other	Size		207*123.5*59 mm(L*W*H)		

Remarks:

Test environment temperature : 25 ± 2 °C;

Ripple and noise measurement methods:

25°C, rated input, rated load, bandwidth limit 20MHz, connected a 47uF electrolysis capacitor and a 0.1uF ceramic capacitor in parallel to the output terminals.

2.Label:

Model:R₁E₁-H350-V012

Input: AC220V±15%~50/60Hz

Output: DC12V 29A

Rainproof power supply Patented Product

MADE IN CHINA Shenzhen LeadPower Technology Co., Ltd

www.leadpowers.com

CAUTION: ♦Risk of electric shock,Please do not disassemble, operating by professional only.
♦Please keep it unblocked 10cm away from the air inlet/outlet.
♦The power supply should be installed at least 30cm off the ground.
♦Please press the terminal cover after wiring and slip down the cover of the power supply.
♦Make sure to install the power supply vertically,Do NOT invert or install horizontally.

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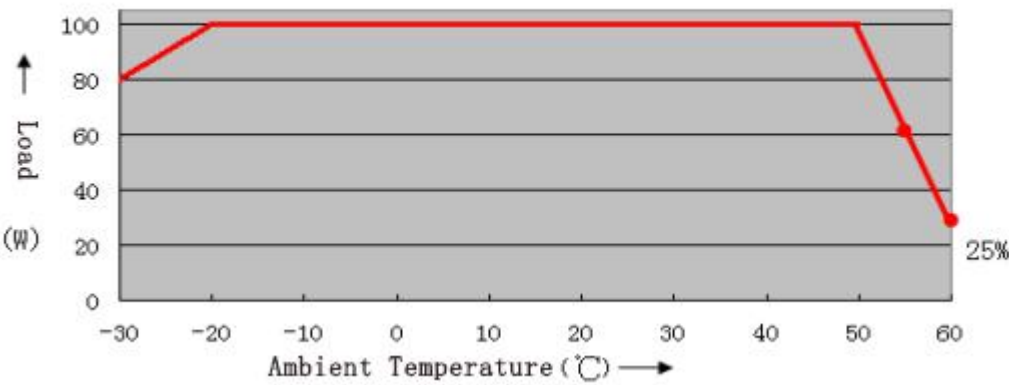
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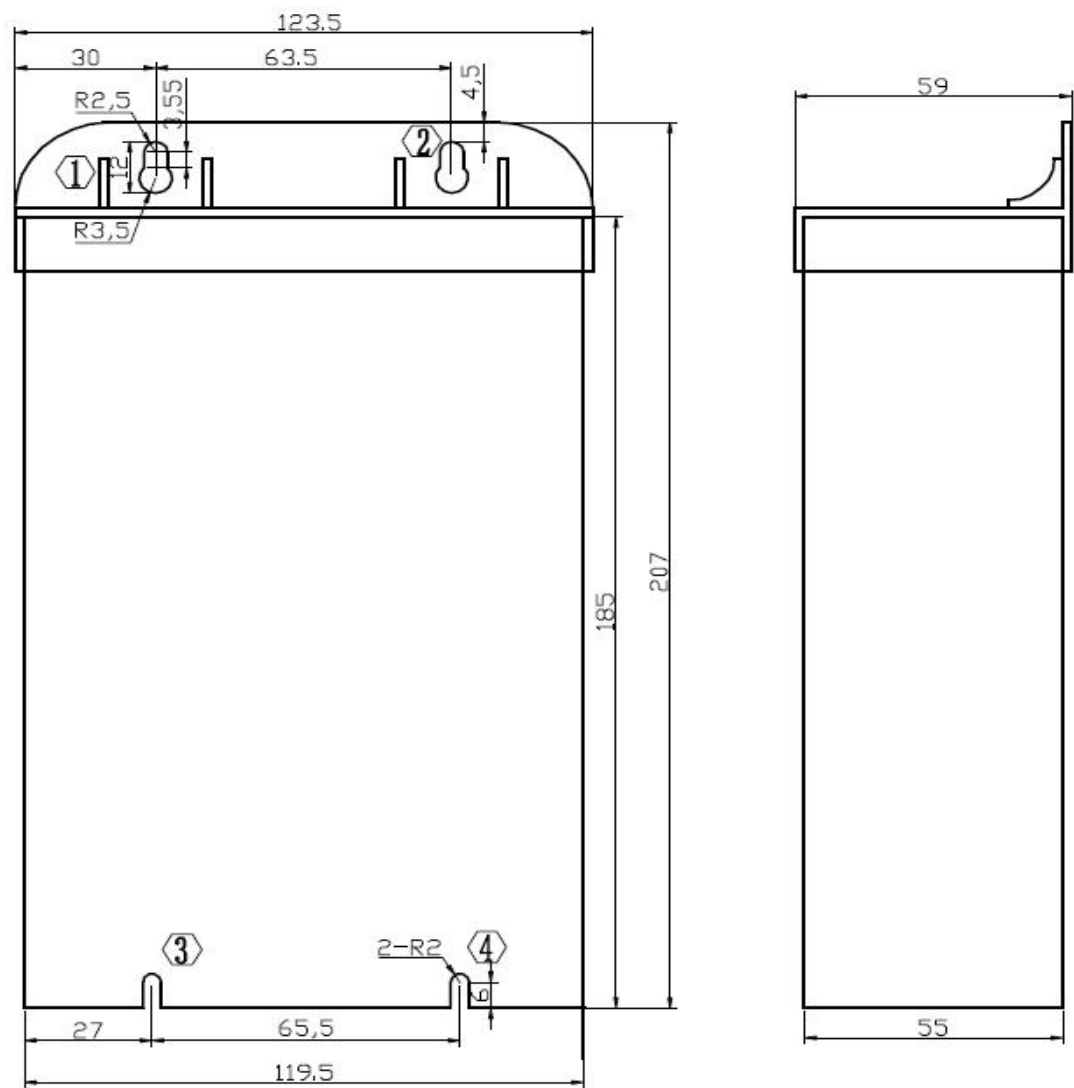
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3. Derating Curve



4. Mounting Dimension:

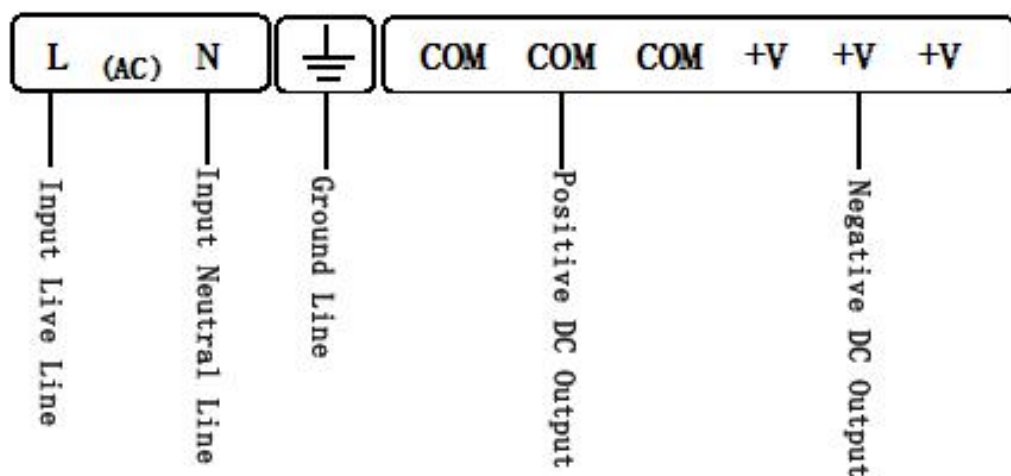


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Installation Position	Installation Method	Installation Number	Screw Specification
Plastic Top	Screws	1, 2	M4
Bottom	Screws	3, 4	M4

5.Installation Instructions

5.1 Wiring Diagrams



5.2 Notice:

- 1.For metal shell power supply, input ground wire must connect to the earth, can't connect to the neutral wire.
2. Please install power supply in a well-ventilated place, to ensure that the environment temperature is appropriate.
3. When many power supplies are connected to the same points in parallel, pay special attention to the bearing capacity of grid power cables.
4. When the power supply is in use, don't touch the metal shell to avoid being burned by high temperature
5. When installation, try to avoid the lightning-prone and high voltage areas.
6. If failure happens, please don't repair by yourself. If any questions, please contact supplier.