

	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-H200-V012

Product Description:

190-250Vac input, 16.6A 12Vdc 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:	Rainproof Power Supply	Applications: indoor, outdoor
Model No.:	R1E1-H200-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	16.6A	/	/	/
	Rated Output Power	199.2W			
	Output Voltage Accuracy	±1%			
	Output ripple & noise	≤150mV			
Input Characteristics	Input Voltage Range	190V-250Vac			
	Input Frequency Range	50 / 60HZ			

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	Input Current	$\leq 2A(190-250Vac)$	
	Efficiency	$\geq 85\%(Typ.)$	
Protective Characteristics	Over-Current Protection	■YES □NO (20-24A)	
	Short-Circuit Protection	■YES □NO	
		Restart to recover after fault condition is removed.	
Environmental Characteristics	Working Temperature	$-30^{\circ}C \sim 50^{\circ}C$	
	Working Humidity	20~95%RH, (non-condensing)	
	Storage Temperature	$-35^{\circ}C \sim 85^{\circ}C$	
	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	100M Ω Max/ 500VDC/ 3S	
	Grounding Resistance	100m Ω	
	EMC	GB17625.1-2003(idt IEC 61000-3-2:2001)	
Other	Size	202*111.5*53.5 mm(L*W*H)	

Remarks:

Test environment temperature : $25 \pm 2^{\circ}C$;

Ripple and noise measurement methods:

20MHz of bandwidth, connected a 47uF electrolysis capacitor and a 0.1uF ceramic capacitor in parallel to the output terminals.

2.Label:

Model:R₁E₁-H200-V012

Input: AC220V $\pm$ 15%~50/60Hz

Output: DC12V $\equiv$ 16.6A

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.

Rainproof power supply Patented Product

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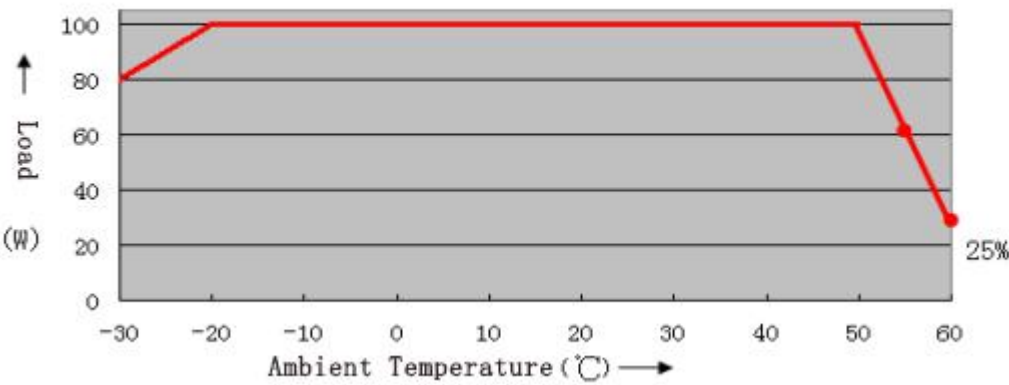
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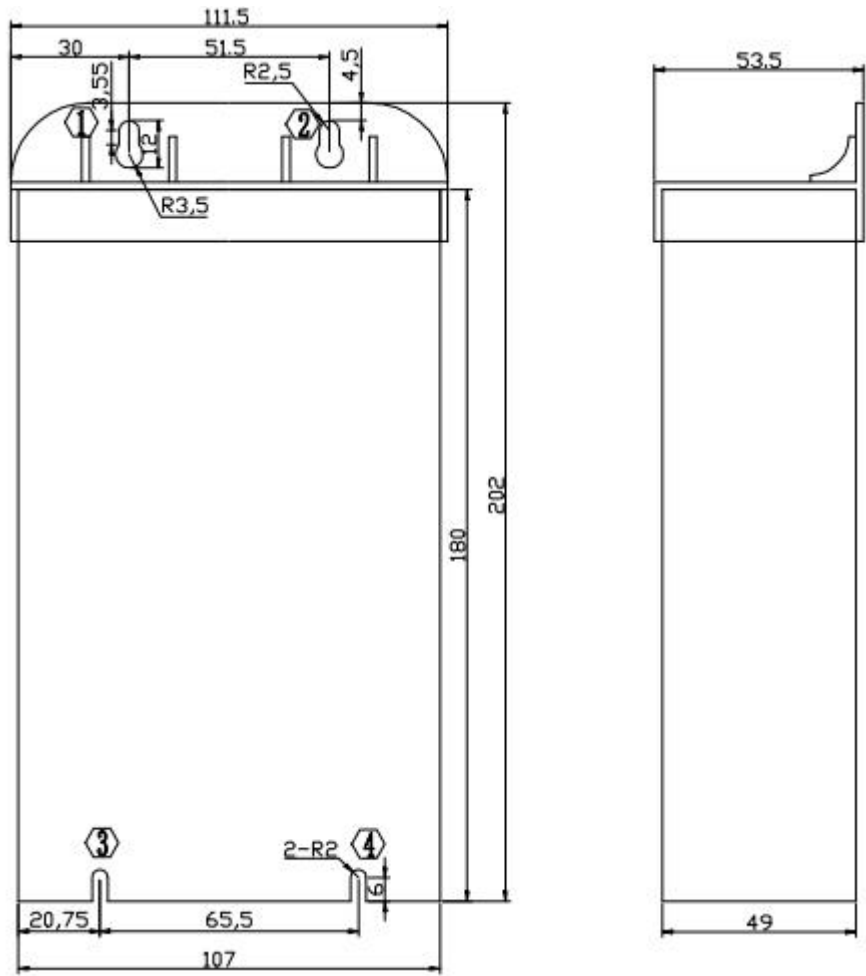
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3. Derating Curve



4. Mounting Dimension:

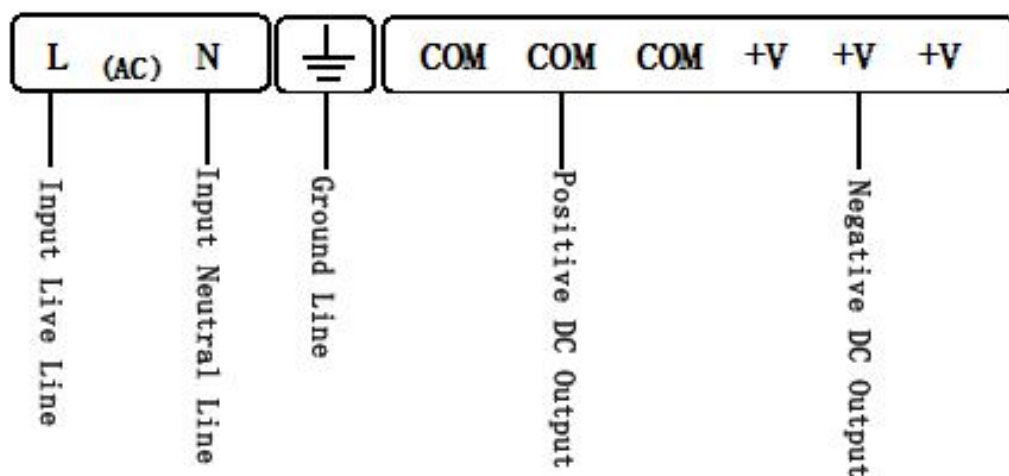


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Installation Position	Installation Method	Installation Number	Screw Specification
Plastic Top	Screws	1, 2	M4
Bottom	Screws	3, 4	M4

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.
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.