AC ➡ DC SWITCHING POWER SUPPLY

RPH1300 SERIES

All the patents are held accountable counterfeiting.

Features

CE

Green Power

- Full Range Input with PFC
- Dual output model, independent regulation
- Comply with High Efficiency Power 80Plus Criterion
- 91% High Efficiency
- Split rail & Series connection possible
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~300VDC

DIMENSIONS:199(L)*99(W)*35(H)mm **WEIGHTS: 820g**

General specifications

INPUT

Input range	90~264VAC 120~380VDC
Input frequency	47~63Hz
Max. I/P current / Inrush current (25°C)	3A/20A@110VAC 1.51A/40A@220VAC
Power factor	95% Min.

OUTPUT

Hold-up time	13ms
Short protection	Re-power on to recover
Over load protection	Automatic power limited

Detail specifications

300 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) 1			Ripple & Noise 4	Line REG. 2	Load REG. 3	Efficiency 5	O.V.P
		Min.	Rated	Max.					
RPH1300-24C	V : +24V ±10%	0A	12.5A	12.5A	240mV	±1%	±1%	92% Ref.	31.4 ~ 34.7V
RPH1300-36C	V : +36V ±10%	0A	8.3A	8.3A	360mV	±1%	±1%	92% Ref.	47.8 ~ 58.2V
RPH1300-48C	V : +48V ±10%	0A	6.25A	6.25A	480mV	±1%	±1%	92% Ref.	64.6 ~ 71.4V
RPH1300-100C	V : +100V ±10%	0A	3A	3A	1000mV	±1%	±1%	92% Ref.	140 ~ 165V
RPH1300-250C	V : +250V ±10%	0A	1.2A	1.2A	2500mV	±1%	±1%	92% Ref.	310 ~ 360V
RPH23002C	V1 : +24V ±10% V2 : +5V	0A 0A	11.87A 3.0A	11.87A 3.0A	240mV 40mV	±1% ±1%	±1% ±1%	92% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
RPH23003C	V1 : +24V ±10% V2 : +12V	0A 0A	11.25A 2.5A	11.25A 2.5A	240mV 40mV	±1% ±1%	±1% ±1%	92% Ref.	31.4 ~ 34.7V 15.8 ~ 18.9V

CE Standards

EN 55032, EN 55035,
EN 61000-3-2, EN 61000-3-3,
(EN 61000-4-2, EN 61000-4-3,
EN 61000-4-4, EN 61000-4-5,
EN 61000-4-6, EN 61000-4-8,
EN 61000-4-11)
Heavy Industry level, criteria A
LVD: EN 62368-1

Safety Standards

c UL us LISTED IND.CONT.EQ. 52GB E225775 **UL 62368 Meet**

CE **CE Marking**

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 90% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

WEB : http://www.switching-powers.com
E-mail : rp21003f@ms7.hinet.net
Tel : 886-2-22997550
Fax : 886-2-22997596

REIGNPOWER S.M.P.S

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NOTE

1. Each output can provide up to maximum load for dual output, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
4. Ripple & Noise are measured with 20MHz oscilloscope at 220VAC by using a 20cm long 12” twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
5. Efficiency is measured at rated load and 220VAC input.
6. Hold-up time is measured at rated load and 220VAC input.
7. Output Voltage Adjustable is measured on 5% of rated load.
8. When using the product, we suggest keeping the outer enclosure of the product under 70 degrees Celsius. (We suggest conducting the heat to 360x360 mm or equivalent size, with 1 mm thickness of iron or aluminum plate.)
9. Reign Power reserve the right to change specifications at any time without notice.

WEB : http://www.switching-powers.com
E-mail : rp21003f@ms7.hinet.net
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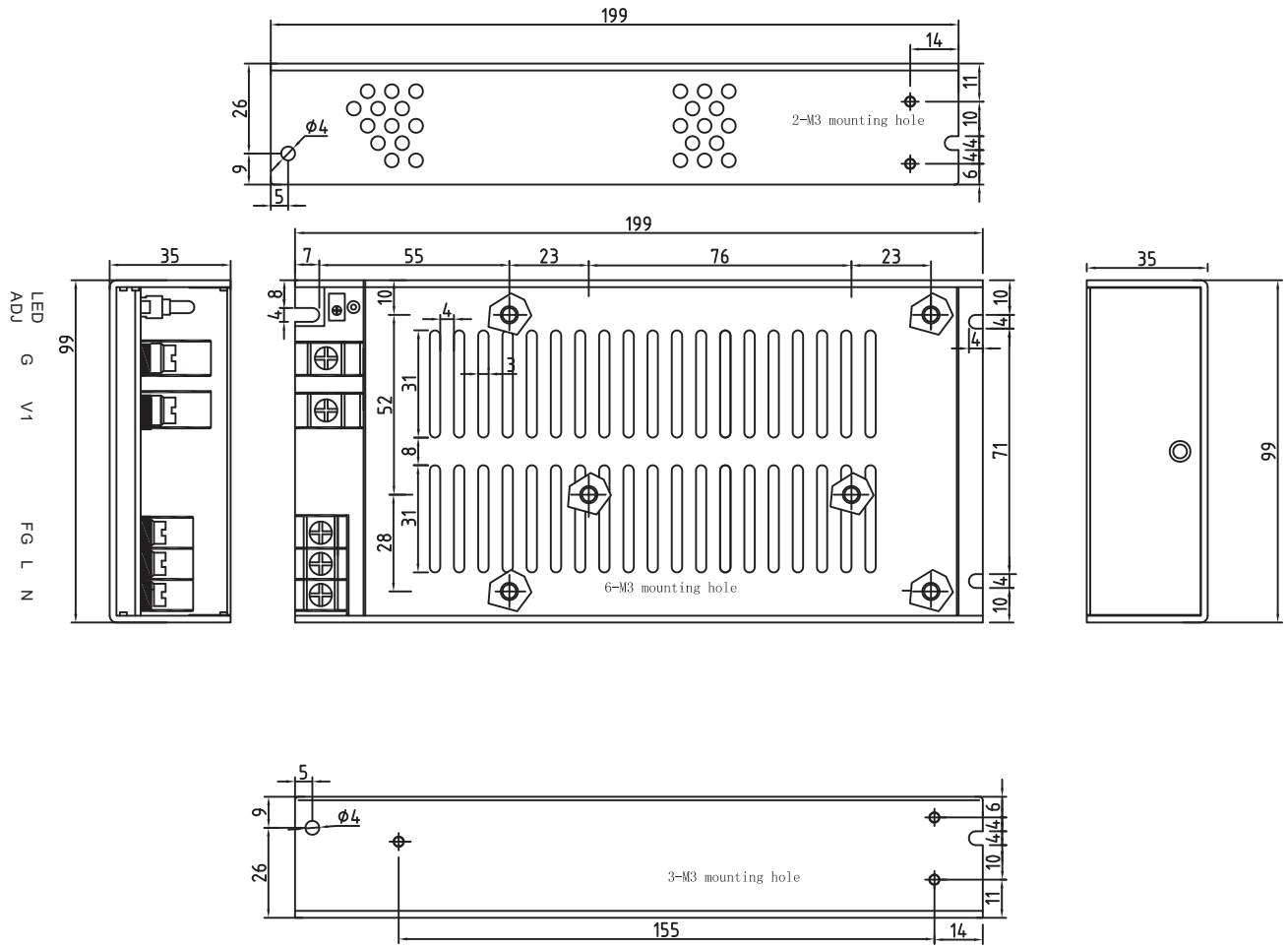
Mechanical Details



Panel Designation

CASE NO. : CS300H
UNIT : mm
DIMENSION : 199(H)*99(D)*38(W)
MATERIAL : ALUMINUM
COLOR : ORIGINAL ALUMINUM

Single	Dual	Description
L	L	L : Line Terminal of Input N : Neutral Terminal of Input FG : Ground (Earth) No Polarity At DC Input
N	N	
FG	FG	
G	V2	NC : No connection G : DC Output Ground Terminal Vx : DC Output Terminal (Specify at spec.)
V1	V1	

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