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## Features



## 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
- Fan cooled
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~300VDC

DIMENSIONS:199(L)\*99(W)\*38(H)mm

WEIGHTS: 660g

## General specifications

INPUT

Input range	90~264VAC 120~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 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

500 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P
		Min.	Rated	Max.					
RPH1500-12C	V : +12V ±10%	0A	42.0A	42.0A	120mV	±1%	±1%	87% Ref.	17.1 ~ 18.9V
RPH1500-24C	V : +24V ±10%	0A	20.8A	20.8A	240mV	±1%	±1%	92% Ref.	31.4 ~ 34.7V
RPH1500-36C	V : +36V ±10%	0A	13.9A	13.9A	360mV	±1%	±1%	92% Ref.	47.8 ~ 58.2V
RPH1500-48C	V : +48V ±10%	0A	10.5A	10.5A	480mV	±1%	±1%	91% Ref.	64.6 ~ 71.4V
RPH1500-110C	V : +110V ±10%	0A	4.54A	4.54A	1100mV	±1%	±1%	93% Ref.	154 ~ 181.5V
RPH1500-125C	V : +125V ±10%	0A	4.0A	4.0A	1250mV	±1%	±1%	92% Ref.	156 ~ 175V
RPH1500-150C	V : +150V ±10%	0A	3.33A	3.33A	1500mV	±1%	±1%	93% Ref.	190 ~ 240V
RPH1500-250C	V : +250V ±10%	0A	2.0A	2.0A	2500mV	±1%	±1%	94% Ref.	310 ~ 360V
RPH25001C	V1 : +12V ±10% V2 : +5V	0A 0A	40.4A 3.0A	42.0A 3.0A	120mV 40mV	±1% ±1%	±1% ±1%	86% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
RPH25002C	V1 : +12V ±10% V2 : +5V	0A 0A	37.5A 10.0A	42.0A 17.0A	120mV 40mV	±1% ±1%	±1% ±1%	86% Ref.	17.1 ~ 18.9V 6.0 ~ 6.3V
RPH25003C	V1 : +24V ±10% V2 : +5V	0A 0A	20.2A 3.0A	20.8A 3.0A	240mV 40mV	±1% ±1%	±1% ±1%	88% Ref.	31.4 ~ 34.7V 5.6 ~ 6.2V
RPH25004C	V1 : +24V ±10% V2 : +12V	0A 0A	19.6A 2.5A	20.8A 3.0A	240mV 120mV	±1% ±1%	±1% ±1%	88% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
RPH25005C	V1 : +36V ±10% V2 : +5V	0A 0A	13.5A 3.0A	14.0A 3.0A	360mV 40mV	±1% ±1%	±1% ±1%	87% Ref.	47.8 ~ 53.2V 5.6 ~ 6.2V



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MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P
		Min.	Rated	Max.					
RPH25006C	V1 : +12V ±10% V2 : -12V	0A 0A	41.35A 0.65A	41.35A 0.65A	120mV 80mV	±1% ±1%	±1% ±1%	87% Ref.	17.1 ~ 18.9V 15 ~ 18V

### 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



UL 62368 Meet



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

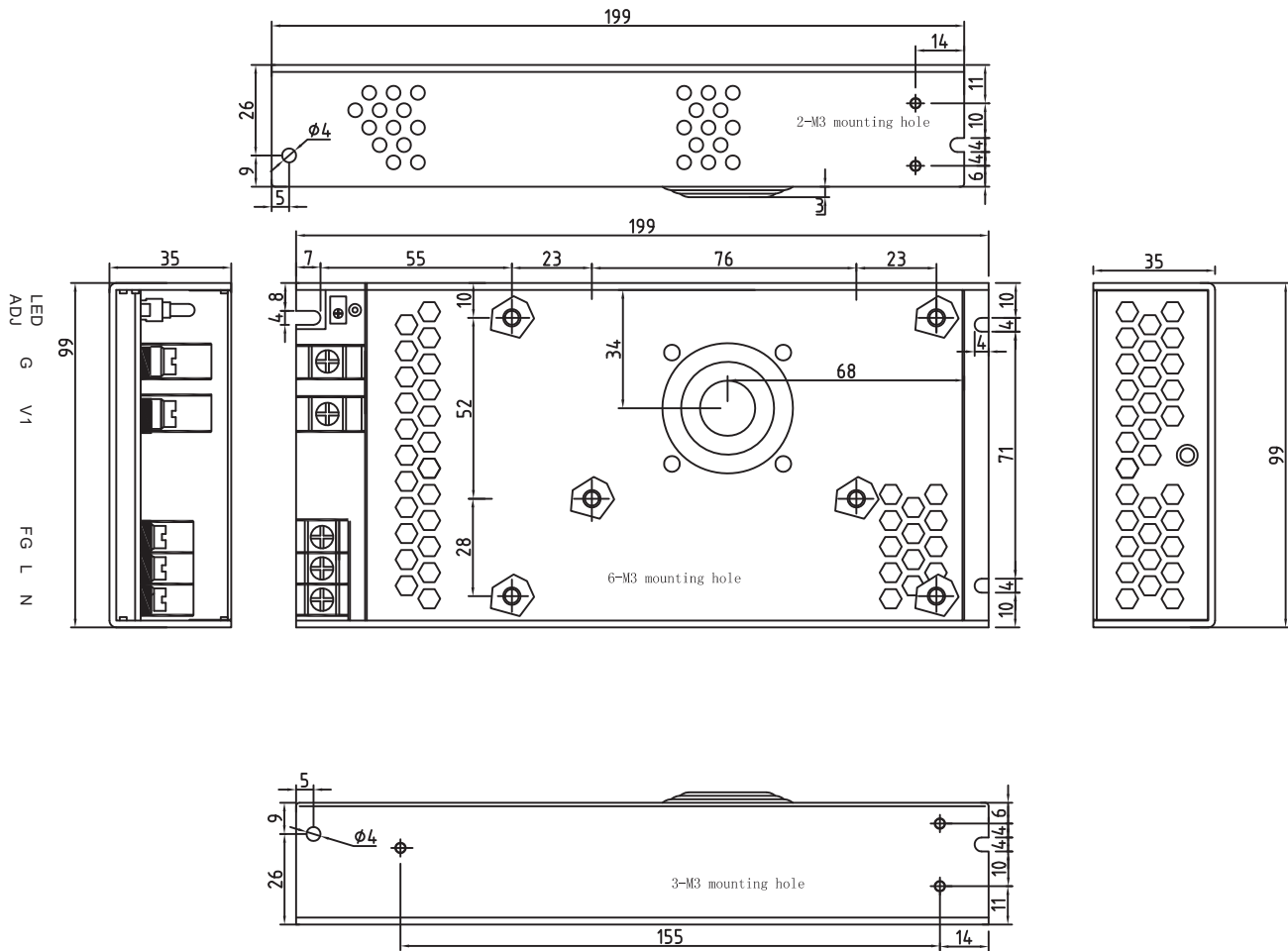
### NOTE

- Each output can provide up to maximum load for dual output, but total load can not exceed rated output power.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% of rated load at 220VAC input.
- 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.
- Efficiency is measured at rated load and 220VAC input.
- Hold-up time is measured at rated load and 220VAC input.
- Output Voltage Adjustable is measured on 5% of rated load.
- When using the product, we suggest keeping the temperature of the power supply enclosure below 70 °C. (It is recommended to conduct the heat to a iron or aluminum plate of 360x360mm or the same size with a thickness of 1 mm.)
- Reign Power reserve the right to change specifications at any time without notice.



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Mechanical Details



Panel Designation

**CASE NO. : CS500H**  
**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	