



## Features

- Automatic output protection, no replacement fuse
- Fully charged & Abnormal charging indicator
- Fan cooled
- Reverse Polarity Protection
- 2 years Warranty
- **Can modify to Li-ion Battery (lithium iron and lithium manganese)**



Dimensions : 199(L) x 99(W) x 38(H)mm  
WEIGHTS : 800g

## 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

Short protection	Autorecovery
Over load protection	Automatic power limited
Over temperature protection	Autorecovery

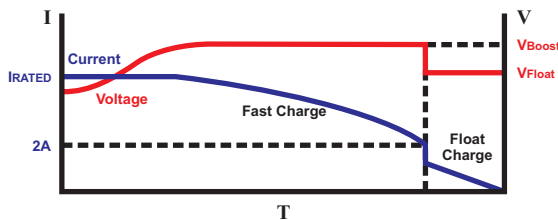
## Detail specifications

### 450 ~ 500 Watts

MODEL	O/P Volt		Charge(Current) <sub>1</sub>			Line REG. <sub>2</sub>	Load REG. <sub>3</sub>	Efficiency <sub>4</sub>	O.V.P. Trip point
	Boost	Float	Min.	Rated	Max.				
RP1450C-12C	+14.4V	+13.8V	0A	31.25A	31.25A	±0.5%	±0.5%	89% Ref.	16~21V
RP1500C-24C	+28.8V	+27.6V	0A	17.36A	17.36A	±0.5%	±0.5%	93% Ref.	33~38V
RP1500C-48C	+57.6V	+55.2V	0A	8.68A	8.68A	±0.5%	±0.5%	93% Ref.	61~67V

Charging Indicator  
 Power On      Switch Lamp On  
 Fast Charge    LED On  
 Float Charge    LED Off

## Charging Curve



## Safety Standards

	UL	UL1310	Meet
	CUL	UL1310	Meet
	CE		Marking

## 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

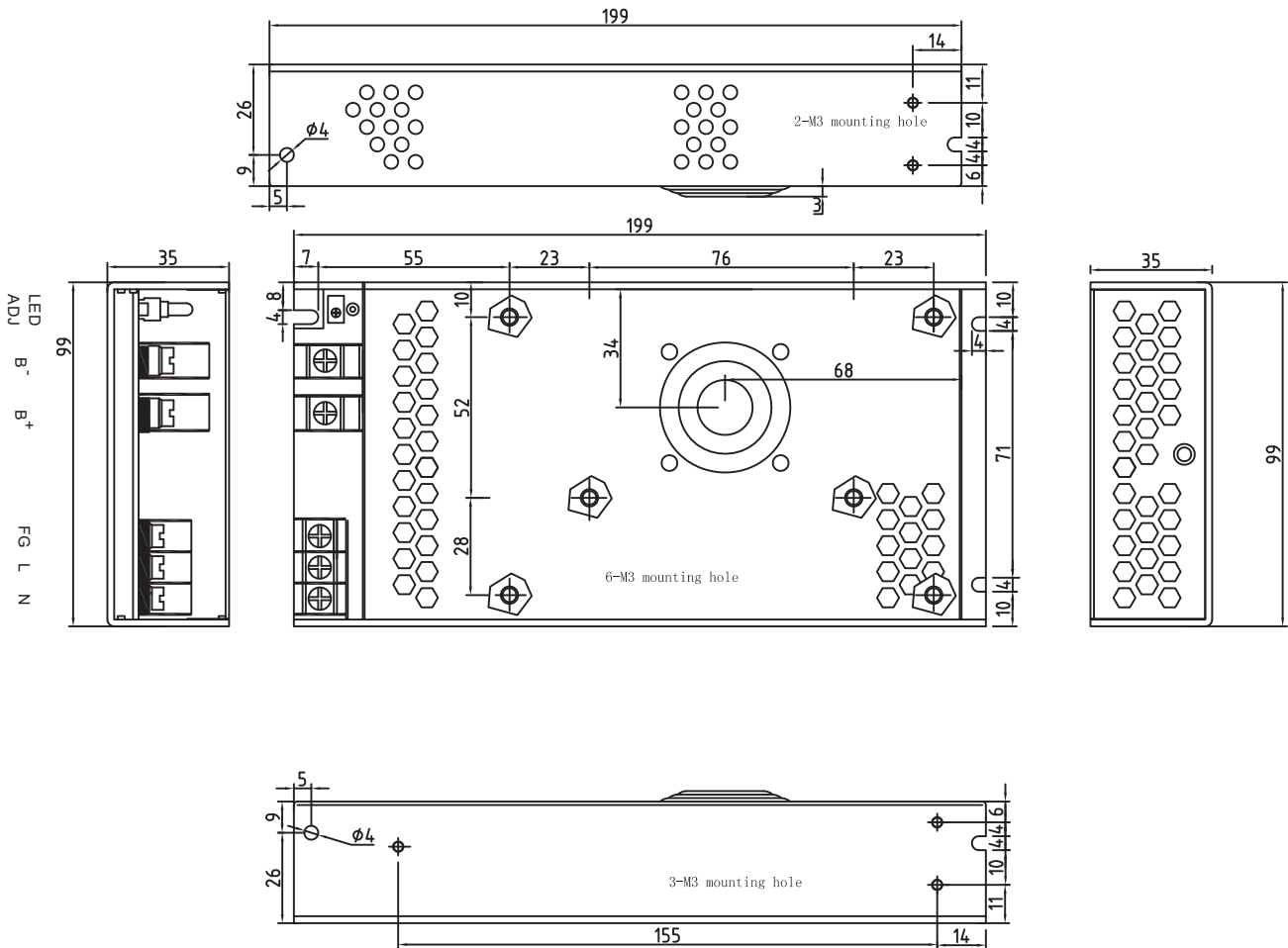
## Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 90% RH, No Condensing
Storage Temperature	-40 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
  2. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
  3. Efficiency is measured at rated load and 220VAC input.
  4. Reign Power reserve the right to change specifications at any time without notice.



Mechanical Details



Panel Designation

**CASE NO. : RP1500C**  
**UNIT : mm**  
**DIMENSION : 199(L)\*99(W)\*38(H)**  
**MATERIAL : ALUMINUM**  
**COLOR : ORIGINAL ALUMINUM**

Symbol	Description
L	Line Terminal Of AC Input (No Polarity At DC Input)
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
FG	Grounding (Earth)
B <sup>+</sup>	Battery Positive Terminal
B <sup>-</sup>	Battery Negative Terminal