



## 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

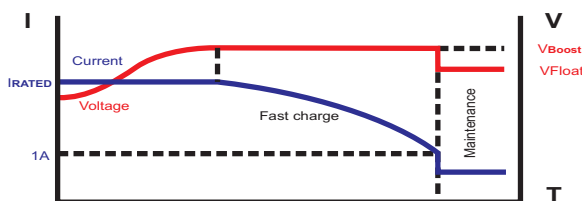
## Detail specifications

### 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	CE	Marking

## CE Standards

EN 55032, EN 55024, 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 62368-1:2014

## 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.