



## Features

- Dustproof and waterproof meet IP68, can use under 1 meter depth for long
- Automatic output protection, no replacement fuse
- Fully charged & Abnormal charging indicator
- Convection cooled
- Reverse Polarity Protection
- 2 years Warranty
- Constant voltage, constant current charging
- **Can modify to Li-ion Battery (lithium iron and lithium manganese)**



Dimensions : 251.5(L) x 136(W) x 43(H)mm  
WEIGHTS : 1800g



## 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

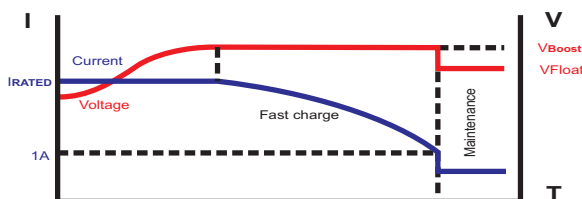
## Detail specifications

### 250 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.				
RPHW1250C-12C	+14.4V	+13.8V	0A	16.6A	16.6A	±0.5%	±0.5%	89% Ref.	16~21V
RPHW1250C-24C	+28.8V	+27.6V	0A	8.7A	8.7A	±0.5%	±0.5%	93% Ref.	33~38V

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 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	-40 ~ 70°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.