



Features

- Battery voltage digital display
- On/Off Switch with Light
- Automatic output protection, no replacement fuse
- Fully charged & Abnormal charging indicator
- Fan cooled
- Reverse Polarity Protection
- 2 years Warranty
- Constant voltage, constant current charging
- **Can modify to Li-ion Battery (lithium iron and lithium manganese)**



Dimensions : 268.5(L) x 136(W) x 43(H)mm
WEIGHTS : 1700g



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

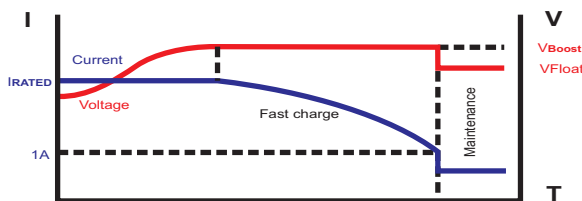
Detail specifications

420 ~ 450 Watts

MODEL	O/P Volt		Charge(Current) ₁			Line REG. ₂	Load REG. ₃	Efficiency ₄	O.V.P. Trip point
	Boost	Float	Min.	Rated	Max.				
RPHF1420C-12C	+14.4V	+13.8V	0A	29.1A	29.1A	±0.5%	±0.5%	89% Ref.	16~21V
RPHF1450C-24C	+28.8V	+27.6V	0A	15.6A	15.6A	±0.5%	±0.5%	93% Ref.	33~38V
RPHF1450C-48C	+57.6V	+55.2V	0A	7.81A	7.81A	±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 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. Do not block the ventilation holes at the bottom of the case.
 5. Reign Power reserve the right to change specifications at any time without notice.