



Features

- Battery voltage digital display
- On/Off Switch with Light
- Automatic output protection, no replacement fuse
- Fully charged & Abnormal charging indicator
- Convection cooled
- Reverse Polarity Protection
- 2 years Warranty
- Design Meet IP64
- Constant voltage, constant current charging
- **Can modify to Li-ion Battery (lithium iron and lithium manganese)**



Dimensions : 248.5(L) x 136(W) x 43(H)mm
WEIGHTS : 1500g

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 |

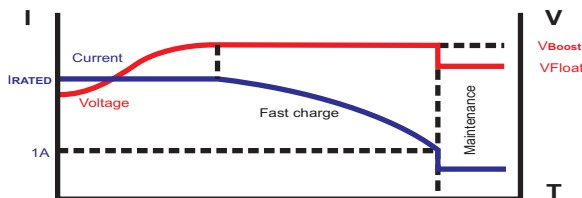
Detail specifications

240 ~ 250 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. | | | | |
| RPH1240C-12C | +14.4V | +13.8V | 0A | 16.6A | 16.6A | ±0.5% | ±0.5% | 89% Ref. | 16~21V |
| RPH1250C-24C | +28.8V | +27.6V | 0A | 8.7A | 8.7A | ±0.5% | ±0.5% | 93% Ref. | 33~38V |
| RPH1250C-48C | +57.6V | +55.2V | 0A | 4.34A | 4.34A | ±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.