



Features



DIMENSIONS : 206(L) x 136(W) x 57(H)mm  
WEIGHTS: 1410g



- On/Off Switch
- Automatic output protection, no replacement fuse
- Convection cooled
- Auto timer control
- Fully charged & Abnormal charging indicator
- 200,000Hrs MTBF per MIL-HDBK-217F
- 2 years Warranty
- Reverse Polarity Protection
- Constant Current Bulk Charge Phase
- Dual Colors LED Indicator
- Design Meet IP61
- **Output Modify Range: 3V~200VDC**

General specifications

INPUT

Input range 90~264VAC  
127~380VDC

Input frequency 47~63Hz

Inrush current (25° C) 20A/110VAC  
40A/220VAC

OUTPUT

Short protection Relay Open

Overload protection Automatic power limited

Over Temp. Protection 84°C Inner Case

6 Steps Automatic Charging Control

Detail specifications

120 Watts

MODEL	O/P Volt		Charge(Current) <sub>1</sub>		Line REG. 2	Load REG. 3	Efficiency 4	O.V.P. Trip point REF.
	Boost	Float	Min.	Max.				
RP1100C-12FE	+14.7V	+13.8V	0A	10.2A	±0.5%	±0.5%	75% Min.	16.2V
RP1100C-24FE	+29.4V	+27.6V	0A	5.1A	±0.5%	±0.5%	78% Min.	32.4V
RP1100C-36FE	+44.1V	+41.4V	0A	3.4A	±0.5%	±0.5%	75% Min.	48.6V
RP1100C-48FE	+58.8V	+55.2V	0A	3.125A	±0.5%	±0.5%	78% Min.	64.8V

Safety Standards



CE

Marking



C-Tick

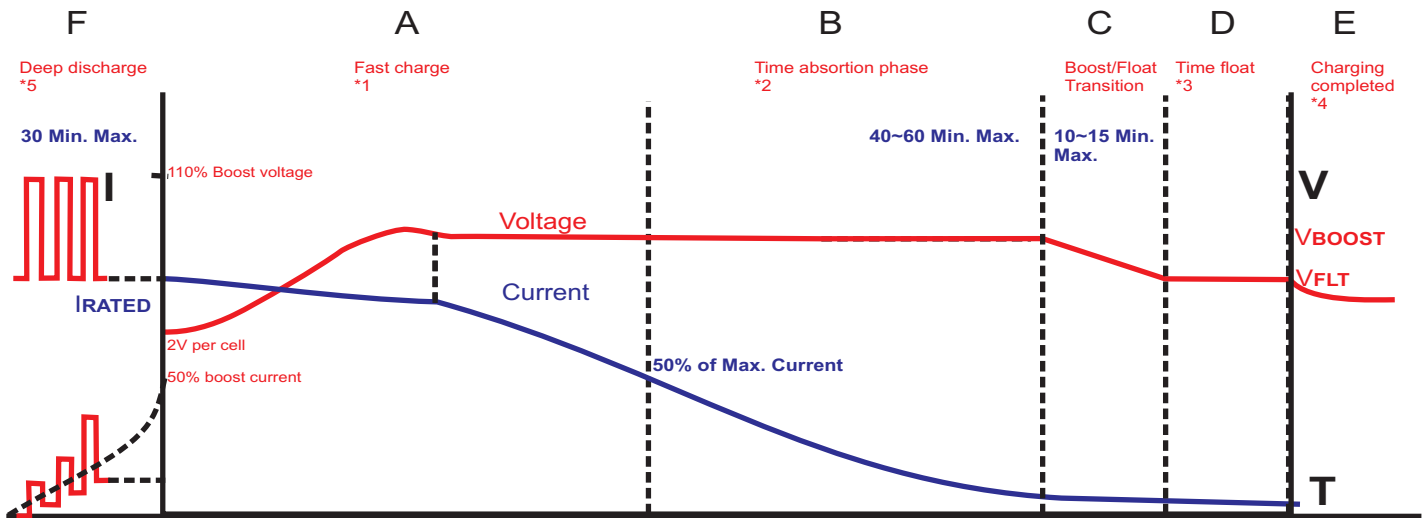
Meet

EMC Standards

- EN55014-1, EN55014-2
- EN60555-2, EN60555-3
- EN61000-4-2 ( IEC801-2)(IEC1000-4-3)
- EN61000-4-3 ( IEC801-4)(IEC1000-4-3)
- EN61000-4-4 ( IEC801-4)(IEC1000-4-4)
- EN61000-4-6 ( IEC801-5)(IEC1000-4-5)
- EN61000-4-11(IEC1000-4-6)



## Charging Curve



- \*1 Max. Boost charge time  $\leq$  12 Hrs, jump to section D
  - \*2 Charge current  $\geq$  0A, relay open, then jump to section D
  - \*3 Max. Float charge time  $\leq$  40 min. Then relay open
  - \*4 If battery voltage drop 2.1V per cell, then recharge.
  - \*5 If deep discharge over 30 min., then relay open and red LED ON.
  - \*6 Section A, B, C P.W.M control
- If charge current become 0 in any section, jump to section E.

**NOTE:**  
20% inaccuracy for all statistical of time.

### LED Indicator

Status	LED	Red	Green	Yellow
Power On		Flash (0.5 S)		
No Battery		Flash (0.5 S)		
Deep Discharge		Flash (1 S)	Flash (1 S)	
Fast Charge			Flash (0.3 S)	
Time Absorption Phase			Flash (1 S)	
Boost/Float Transition			Flash (1 S)	
Float Charge			On	
Time Float			On	
Charging Completed			Flash (2 S)	
Battery Reversed		Flash (0.5 S)		
OTP				On
OVP		Flash (0.5 S)		
Output Short		Flash (0.5 S)		

## Environments

<b>Operating Temperature</b>	-15 ~ 50°C, Ambient
<b>Operating Humidity</b>	5 ~ 95% RH, No Condensing
<b>Storage Temperature</b>	-20 ~ 85°C, Ambient
<b>Vibration</b>	2G, 10~500Hz, 3 axes

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
  2. Line regulation is measured from low line to high line at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
  4. Efficiency is measured at rated load and 110VAC input.
  5. Hold-up time is measured at rated load and 110VAC input.
  6. Reign Power reserve the right to change specifications at any time without notice.