



All the patents are held accountable counterfeiting.

Features



DIMENSIONS : 200(L) x 108(W) x 80(H)mm

- Automatic output protection, no replacement fuse
- Fan Cooling(PCB damp proof process)
- 7 LEDS Charge State Indicator (Gas Gauge)
- Small Size Easy Mounting
- Timer Control
- 200,000Hrs MTBF per MIL-HDBK-217F
- Constant Current Limit
- Reverse Polarity Protection
- 6 Steps Automatic Charging Control
- Fully Charged & Abnormal Charging Indicator
- **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
Power Factor	95% Min

OUTPUT

Short protection	Output Open
Over voltage protection	Output Open
Over Temp. Protection	95°C Inner Case

Detail specifications

500 Watts

MODEL	Boost / Float	Charge(Current) ¹			Line REG. ²	Efficiency ³	O.V.P. Trip point
		Min.	Rated	Max.			
RP1500C-12C	V1: +14.7V / 13.8V	0A	30A	32A	±0.5%	78% Min.	16V~18V
RP1500C-24C	V1: +29.4V / 27.6V	0A	16A	16A	±0.5%	83% Min.	32V~35V

Safety Standards



CE

Marking



C-Tick

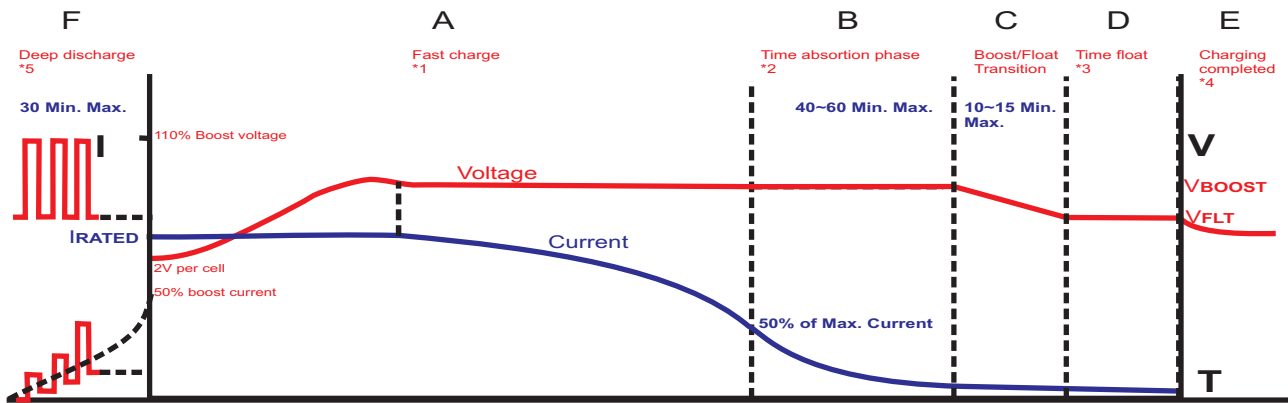
Meet

EMC Standards

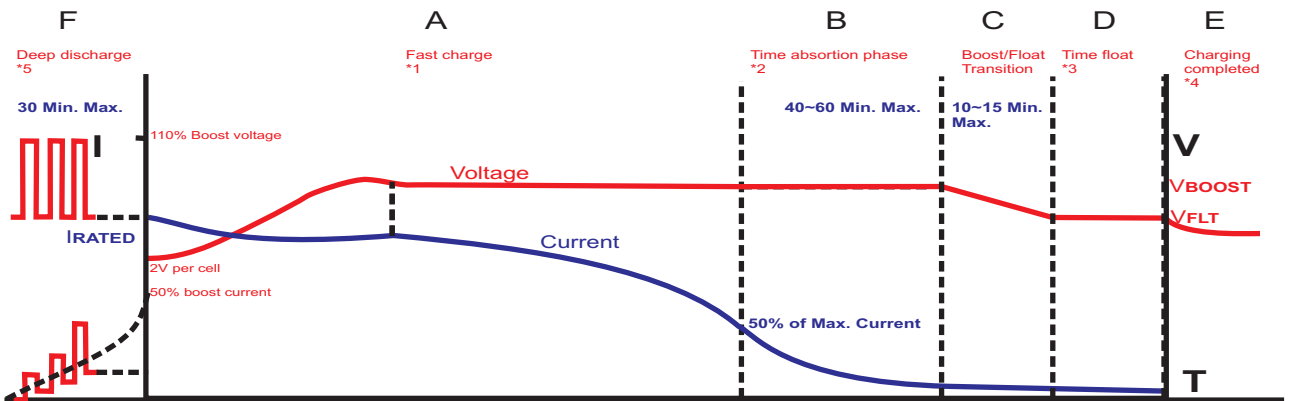
EN55014-1, EN55014-2
 EN60555-2, EN60555-3
 EN61000-4-2 (IEC801-2)(IEC1000-4-3)
 EN61000-4-3 (IEC801-4)(IEC1000-4-3)
 EN61000-4-4 (IEC801-4)(IEC1000-4-4)
 EN61000-4-6 (IEC801-5)(IEC1000-4-5)
 EN61000-4-11(IEC1000-4-6)



Charging Curve (Dry Battery)



Charging Curve (Wet Battery)



- *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	0~100% (5 LED)	Full Charge	Red LED
Power On				Flash (0.5 S)
No Battery				Flash (0.5 S)
Deep Discharge		Error & 0% Alternate		Flash with 0% (1 S)
Fast Charge		0~80% On		
Time Absorption Phase		80% On		
Boost/Float Transition		100% On		
Float Charge		100% On		On
Time Float		100% On		
Charging Completed			On	
Battery Reversed				Flash (0.5 S)
OTP		Flash (0.5 S)		Flash (1 S)
OVP				On
Output Short				Flash (0.5 S)

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	5 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	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. Efficiency is measured at rated load and 110VAC input.
 4. Hold-up time is measured at rated load and 110VAC input.
 5. Reign Power reserve the right to change specifications at any time without notice.