

Lead Acid Battery Chargers

**POWER
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RP1100C Series
100 Watts Dual Stage Charger
Universal AC Input

Features

- 90-264VAC Universal Input
- Convection cooled
- Output Reverse Polarity Protection
- Dual stage automatic charge control



Electrical Specification

Input:	90-264VAC 47-63Hz (127-380VDC)
Inrush Current:	20A 110VAC / 40A 220VAC
DC Output:	See table
Hold Up Time:	10mS
Short Circuit Protection:	Relay opens
Overload Protection:	Automatic Power Limit
Over Voltage Protection:	Auto recovery
Safety:	UL, CSA Approvals, CE marking
Ripple & Noise:	See table
Regulation:	See table
Charging:	Automatic 2 stage charging
Operating Temperature:	-15 to +50 °C
Operating Humidity:	5-95% Relative Humidity, Non condensing
Storage Temperature:	-20 to +85 °C
Vibration:	2G, 10-500Hz 3 axes
EMC Standards:	EN55014, EN60555-2,3, EN61000-4-2~6, EN61000-4-11

Powersolve Electronics Ltd. Units 8A, Arnhem Road, Newbury, RG14 5RU. England

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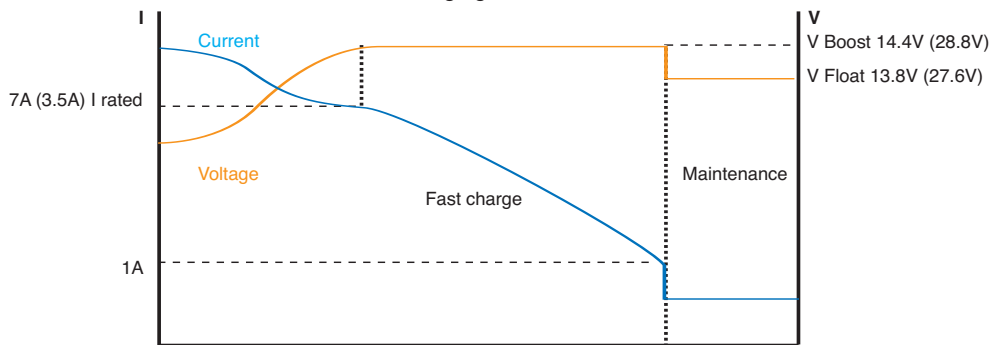
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MODEL	OUTPUT VOLTAGE $\pm\%$	LOAD (CURRENT) ¹			RIPPLE & NOISE ⁴	LINE REGULATION ²	LOAD REGULATION ³	EFFICIENCY ⁵
		MIN.	RATED	MAX.				
RP1100C-12F	V1: +14.4V-----	0A	7A	8A	250mVp-p	$\pm 1\%$	$\pm 2\%$	75% Min.
RP1100C-24F	V1: +28.8V-----	0A	3.5A	4A	250mVp-p	$\pm 1\%$	$\pm 2\%$	78% Min.

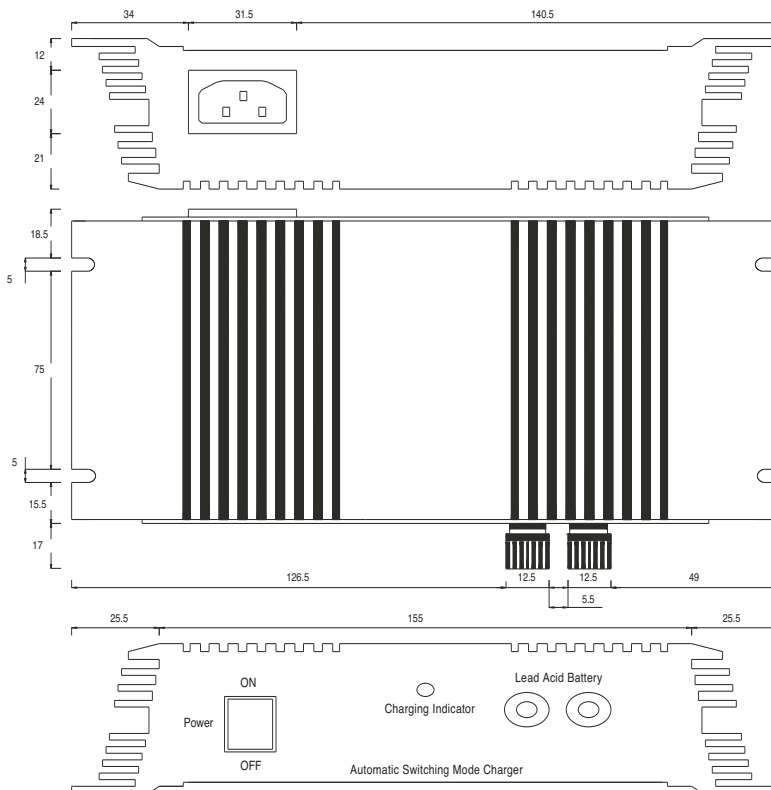
Note:

1. Each output can provide up to a 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. Ripple and Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC.
5. Efficiency is measured at rated load and 110VAC input.
6. Hold-up time is measured at rated load and 110VAC input.

Charging Curve



Dimensions are in millimeters
 Dimensions: 206(L) x 136(W) x 57(H)
 Colour: Blue
 Material: Aluminium



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