

# Lead Acid Battery Chargers

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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

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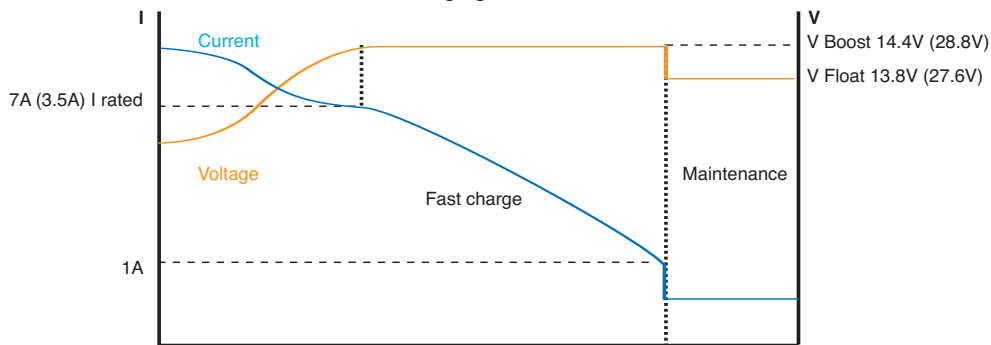
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MODEL	OUTPUT VOLTAGE $\pm\%$	LOAD (CURRENT) <sup>1</sup>			RIPPLE & NOISE <sup>4</sup>	LINE REGULATION <sup>2</sup>	LOAD REGULATION <sup>3</sup>	EFFICIENCY <sup>5</sup>
		MIN.	RATED	MAX.				
RP1100C-12F	V1: +14.4V-----	0A	7A	8A	250mVp-p	$\pm 1\%$	$\pm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

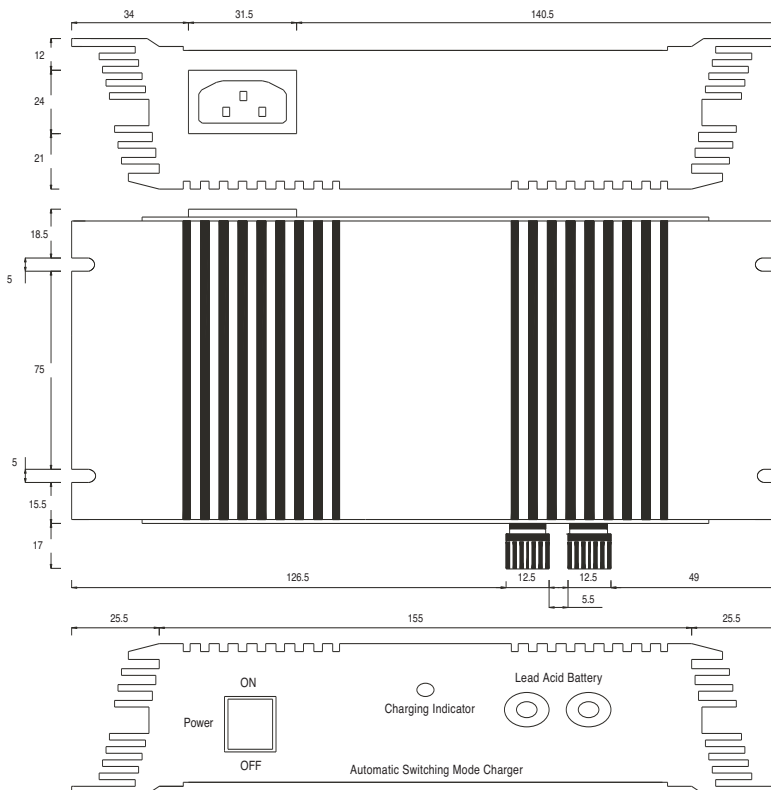
**Note:**

- Each output can provide up to a maximum load, but total load can not exceed rated output power.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% of rated load at 110VAC input.
- 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.
- Efficiency is measured at rated load and 110VAC input.
- 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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