

Lead Acid Battery Charger

**POWER
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Model P-IN2902000 24 Volt Lead Acid Charger

- Overload and short circuit protection
- 29.2V 2A 3 Stage Charger
- LED Charge Indicator
- CE and Safety Approvals



Electrical Specification

INPUT

Input Voltage	90-264 VAC wide input
Input Current	1.5A max Vin 90VAC, rated load
Input Frequency	47-63 Hz
No Load Power Consumption	0.5W

OUTPUT

Charging Output Voltage	Open cct Voltage 27.2V \pm 0.3V. See Voltage Current Charge Curves
Output Current	2A \pm 0.2A. See Voltage Current Charge Curves
Output Power	58 Watts
Efficiency	\geq 80%
Line Regulation	\pm 2% Max
Load Regulation	\pm 5% Max
Turn on Delay	3 Seconds Max
Hold Up Time	8mS Min

PROTECTION

Overload Protection	Hiccup mode with auto recovery
Short Circuit Protection	Capable of withstanding continuous short circuit with auto recovery
Input Protection	Internal 3.15A fuse

ENVIRONMENTAL

Operating Temperature	-20 to +40°C full load normal operation
Storage Temperature	-40 to +70°C
Cooling	Convection
Operation Humidity	20 to 90% non condensing
Storage Humidity	20 to 90% non condensing
Drop Test	Product dropped from height of 90cm onto dry wood surface will not be broken and pass insulation test 10M Ω

MECHANICAL

Dimensions	153 x 60 x 36.5mm
Weight	Approx 420 grams

SAFETY

Hi Pot Test	3000VAC 5mA for 1 minute
Insulation Resistance	Primary to secondary 10Mohms min at 500V DC

EMC

Meets the following standards	FCC Part 15B (Class B) AS/NZS CISPR 22 (Class B) EN5022 (Class B)
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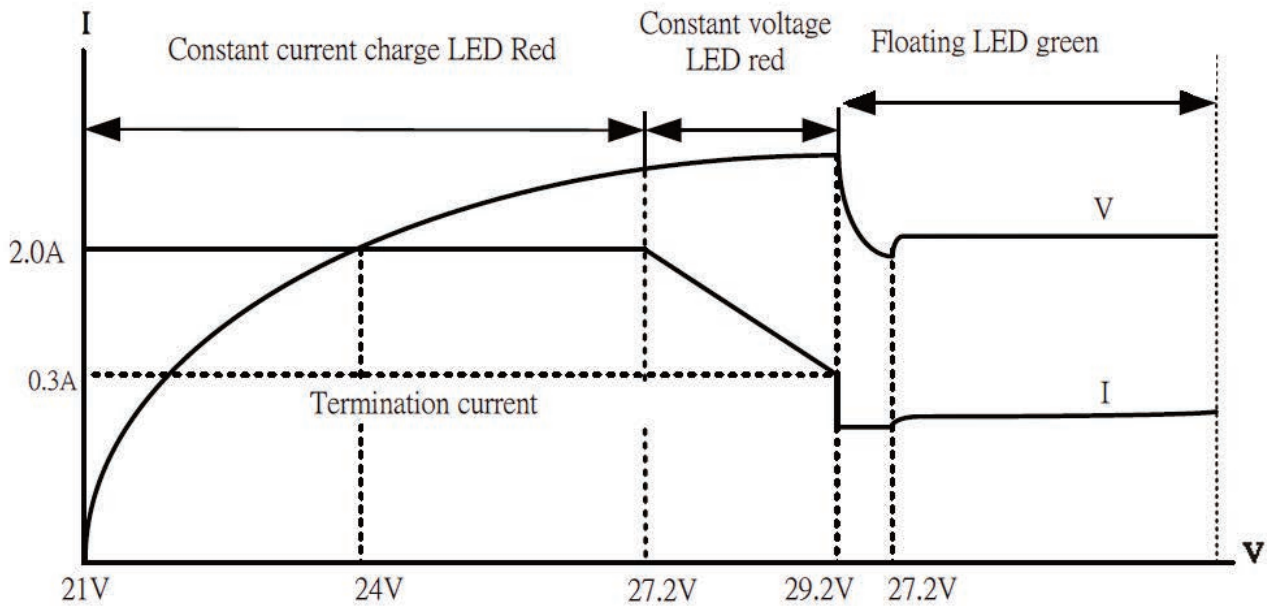
Email: sales@powersolve.co.uk

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Voltage & Current Charging Curves



1. Charge Voltage Max $29.2V \pm 0.3V$
2. Charge Voltage Min 21V
3. Charge Current Max $2A \pm 0.2A$
4. Loading 12V x 2C Lead Acid Battery
5. Terminate Charge LED turns Green when current $\leq 300mA$

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Mechanical Drawing (dimensions in mm)

