

Lead Acid Range
 12V (Max. 15A)
 24V (Max. 8A)
 36V (Max. 5A)
 48V (Max. 4A)

Lithium Range
 3S ▶ 16S

**INDUSTRIAL TWINS
 BATTERY CHARGERS**

Type Models: 1220SR, CS1220SR, 2410SR,
 CS2410SR, 3606SR, CS3606SR,
 4804SR, 4807SR



Charger Approvals

UL, cUL, DOE,
 TUV, RoHS,
 BFP, CE

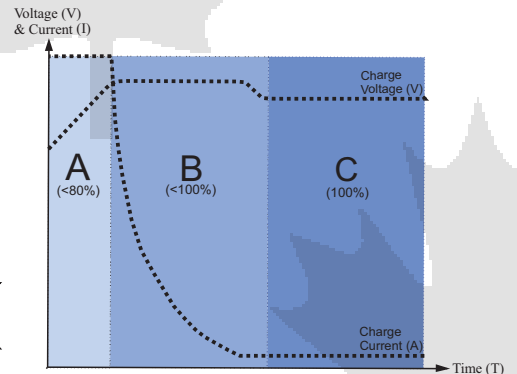


Charger Features

- Compact Size
- Charges 12V (60-100AH), 24V (30-90AH), 36V (20-50AH), 48V (20-50AH) in 10 Hours or Less
- Latest Switch Mode Technology
- Standard interlock, high or low inhibit feature
- Reverse Polarity Protection & Short Circuit
- Bi-Color LED
- Customized Connector (Tyco, XLR, Amp, etc.)

Electrical Specification

Input Voltage: 100-240 VAC (Worldwide)
 Frequency Range: (47-63 Hz)



*Accuracy, Quality,
 Performance*

Charger Characteristics

- High Reliability
- More Than 80% Efficiency than
- Operates in Temperatures between 0° to 50° Celsius
 Relative Humidity 20%-90%
- Vibration Test: 1.0mm, 10-25Hz Along 15 Minutes Per Cycle for Each Axis (X, Y, Z)

* Other Soneil Chargers are available in 12V, 24V, 36V, 48V (Ranging from 0.5A to up to 50A)

Also available:

Traction & Deep Cycle Battery, Lithium battery Packs,
 Lithium Chargers (Standard or Custom)

STATUS	MODE	CURRENT	VOLTAGE	LED
Bulk Charge (Stage 1)	CC Mode	Rated $\pm 10\%$ Current	Increasing up to cut-off	Orange
Cell Equalization (Stage 2)	CV Mode	Decreasing to 30% of the rated current	Cut-off Volts ± 0.3 V	Orange
Float Charge (Stage 3)	CV Mode	Maintenance Mode	Float Volts ± 0.3 V	Green
Recharging	CC Mode	Rated $\pm 10\%$ Current	Increasing	Orange

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