

*Accuracy and Quality you can count on*

## Battery Charger Suitable For Material Handling, Shopping Carts & Scrubber Industry

1220SR20 (12V,10A), 2410SR10 (24V,5A), 3606SR06 (36V,3A) Constant Current

### Features

- ▶ Will charge any kind of Lead Acid Battery Up to 50 Ah in 8 hrs. or less
- ▶ Latest switch mode technology
- ▶ Provided with low inhibit as standard feature.
- ▶ Reverse Polarity protection
- ▶ High Reliability
- ▶ With EMI Filter
- ▶ Operational status LED indicate
- ▶ Small in size and low in weight
- ▶ Can be supplied with choice of connector (XLR, Amp, any other



Other Chargers from Soneil  
12 V - 1A, 3A, 5A, 7A, 10A,  
20A, 40A, 60A, +

24V- 2A, 4A, 5A, 6A, 8A, 10A,  
12A, 15A, 24A, 30A, 45A, +

36V-1A, 2.5A, 3.5A, 6A, 8A,  
12A, 15A, 18A, 22.5A, +

48V-1A, 2A, 2.5A, 3.5A, 6A,  
8A, 12A, 15A, 18A, 22.5A

72V-1.2A, 1.5A, 6A, +

*Lithium chargers also available  
for 4 to 24 cells pack, 3A to 100A*

### Environmental

- ▶ Operating temperature 0 to 50°C
- ▶ Storage temperature -20° to 70°C
- ▶ Relative Humidity 20%-90%
- ▶ Vibration Test: 1.0mm, 10 –25Hz for 15 minutes per cycle for each axis(X,Y,Z)

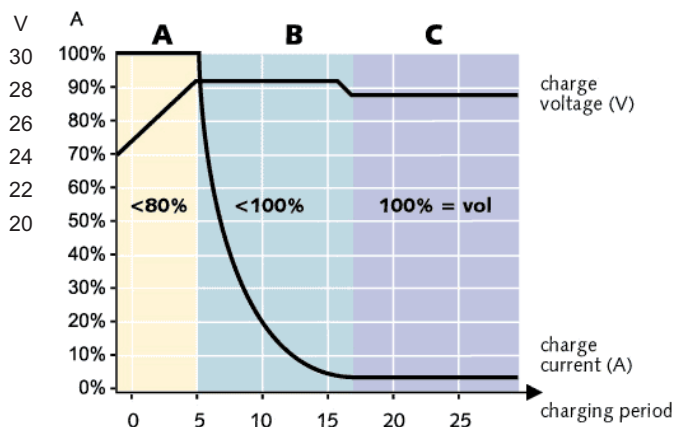
### Electrical Specification

- ▶ Input Voltage: 100-240 VAC for USA Europe or any other country
- ▶ Efficiency of 80% or higher
- ▶ Frequency 47 to 63 Hz

### Approvals

- ▶ UL, cUL, TUV, RoHS, BFP, CE,
- ▶ Meets requirements for Wheelchair, Cleaning Machines, Scrubber Industry and scooter standards

**Dimensions:** W130 mm (5.1") x L125 mm (4.9") X H60 mm (2.4")  
**Typical Charging Curve**



Status	Mode	Current	Voltage	Indicate LED
Stage 1 Bulk Charge	CC Mode	Rated $\pm 10\%$ Current	Increasing up to cut-off	RED Solid
Stage 2 Cell Equalization	CV Mode	Decreasing to 20% rated	Cut-off Volts $\pm 0.3$ V	RED Solid
Stage 3 Float Charge	CV Mode	To Cover Loses	Float Volts $\pm 0.3$ V	GREEN Solid
Recharging Stage	CC Mode	Rated $\pm 10\%$ Current	Increasing	RED Solid

**RANGE OF OTHER CHARGERS ARE AVAILABLE IN 12 / 24 / 36 / 48 VOLTS SYSTEMS FROM 0.5 A TO 120 A**

**ALSO LITHIUM BATTERY PACKS AND LITHIUM CHARGERS ARE AVAILABLE – STANDARD & CUSTOM**

Specifications are subject to change without prior notice