

Description

SPC12-0.5 is an automatic battery charger with a standard AC connector, best suited for home medical equipment, wheelchairs, scooters, mobility and other applications. The charger works best with batteries rated between 1 Amp and 3.5 Amp. SPC12-0.5 comes with 1 year warranty and is overseas ready.



General Characteristics

| | |
|------------------------------|-----------------------------|
| Over Load Protection | <0.8A |
| Short Circuit Protection | Enable |
| Reversed Polarity Protection | Enable |
| Operating Temperature | 0°C(32°F) to 40°C(104°F) |
| Storage Temperature | -30°C(-22°F) to 85°C(185°F) |
| Operating Relative Humidity | 8% to 90% |
| Storage Relative Humidity | 5% to 95% |

Applications

- Sealed Lead Acid Battery

Input

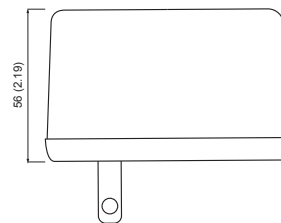
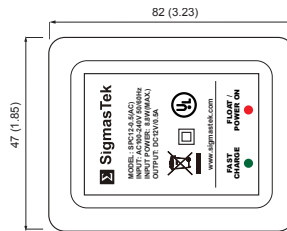
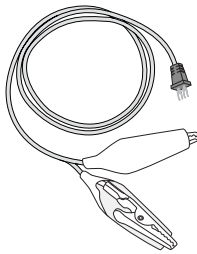
| | |
|-------------------------------|----------------------------|
| AC Input Voltage Range | 90Vac to 264Vac |
| AC Input Voltage Rating | 100Vac to 240Vac |
| AC Input Frequency | 50/60Hz |
| AC Input Current | 0.14A@115Vac / 0.1A@230Vac |
| AC Input Power | 8.8W (max.) |
| AC Input Static State Current | 35mA (max.) |

Output

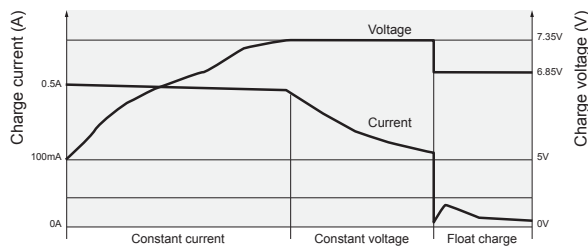
| | |
|-----------------------------|-------------------|
| Output Voltage Range | 10Vdc to 15Vdc |
| Output Current | 0.5A@12Vdc (±10%) |
| Output Power | 7.5W (max.) |
| Bulk Charge Current Rating | 0.5A |
| Bulk Charge Voltage Rating | 14.7Vdc (±0.3Vdc) |
| Float Charge Voltage Rating | 13.5V - 13.95Vdc |
| Light Switching Current | 100mA (±25mA) |

Dimensions (mm/inch)

| AC Terminal Type | Length | Width | Height | Weight |
|------------------|-----------|-----------|-----------|-----------------|
| Alligator Clips | 82 / 3.23 | 56 / 2.19 | 47 / 1.85 | 0.20kg / 0.45lb |



Charger Characteristics



Indicator Status

- Green LED on - Empty Load or Float Charge
- Red LED on - Bulk Charge

Contact Information

SigmasTek
7651 W 100th Place
Bridgeview, IL 60455, USA

T: (888) 988-8290
www.sigmastek.com
order@sigmastek.com