



FC SERIES FLOAT CHARGERS FOR SLA BATTERIES



Features

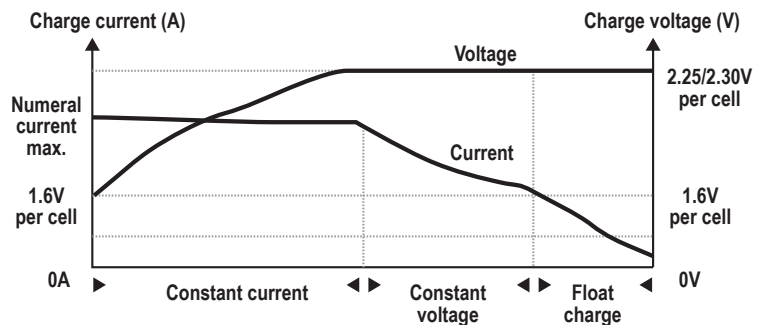
- I.C. based voltage and current regulation designed for sealed (valve-regulated) lead-acid batteries
- Useable on domestic and overseas input voltages from 110VAC – 60 Hz to 240VAC – 50 Hz. See the charger selection guide
- Float voltage charging for efficient, care-free and safe operation
- LED indicates charge mode
- Lightweight wall mounted plug-in design with screw type output terminals
- Connectors to the battery are alligator clips with insulated sleeves
- Protected against accidental reverse polarity connection
- UL and European C.E. approvals

Operating Characteristics

Float chargers are designed to provide optimum life for batteries used in standby applications where the current is continuous. The chargers deliver a constant voltage of 2.25 to 2.30 volts per cell, which allows the battery to seek its own current level and maintain itself in a fully charged condition.

This series is best suited for burglar and fire alarm equipment, emergency lighting, memory protection or UPS systems where the battery serves as backup power to the AC Source.

Charge Characteristics



Specifications and Charger Selection Guide

Model	PSC-6300 FC	PSC- 6500 FC	PSC-12300 FC	PSC-12500 FC
Nominal Voltage	6	6	12	12
Output Voltage	6.80 ± 0.15 vdc	6.80 ± 0.15 vdc	13.65 ± 0.15 vdc	13.65 ± 0.15 vdc
Output Current mA	300 ±10%	500 ±10%	300 ±10	500 ±10%
Length in. (mm)	2.05 (52)	2.05 (52)	2.05 (52)	2.05 (52)
Width in. (mm)	1.57 (40)	1.57 (40)	1.57 (40)	1.57 (40)
Height in. (mm)	2.64 (67)	2.64 (67)	2.64 (67)	2.64 (67)
Weight lbs. (kgs.)	0.21 (0.10)	0.21 (0.10)	0.21 (0.10)	0.21 (0.10)
Use With Battery	6V	6V	12V	12V
Battery Capacity	*	*	*	*

* For help in selecting the correct charger for your application please consult with our Technical Department.

Notes

Recharge time depends on the depth of the preceding discharge and the output current of the charger. To determine the approximate recharge time of a fully discharged battery, divide the battery's amp. hrs. by the rated output current of the charger and multiply the resulting number of hours by a factor of 1.75 to compensate for the declining output current during the charge cycle. If the amount of amp. hrs. discharged from the battery is known, use it instead of the battery's capacity to make the calculation.

To ensure safe and efficient operation always refer to our Charger Operating Instructions, as published on our website.



Power-Sonic does not offer chargers for batteries with capacities higher than 100 AH. If you have any queries or difficulties in locating a suitable charger for batteries above 100AH, our Technical department will be happy to help.



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