



**PRODUCT IMAGE
COMING SOON**

ACX SERIES

SWITCH-MODE CHARGERS

For SLA Batteries

OPERATING CHARACTERISTICS

“ACX” series chargers are new “switching” type devices which operate without the use of transformers. I.C.’s control and regulate current and voltage and automatically switch from the higher bulk charge voltage to the lower float voltage when batteries are very close to being fully charged. At the float voltage it is safe to leave the battery connected to the charger indefinitely, making charging pretty much fool-proof.

In the bulk charge mode, the voltage rises to 2.45V/cell (+/- 0.05V) before switching to float. In the float charge mode, holds voltage at 2.28V/cell (+/- 0.04V).

This charger is ideal for cyclic applications where recharge time is critical and timely charge termination cannot be counted on. This charger ensures optimum battery performance & service life.

FEATURES

- I.C. based voltage and current regulation designed for sealed (valve-regulated) lead-acid batteries
- Useable on domestic and overseas input voltages from 100VAC – 60Hz to 240VAC – 50Hz.
- Automatic, current sensing dual-rate charging for efficient, care-free and safe operation
- L.E.D.s indicate ‘power on’ and “BULK” and “FLOAT” charging modes
- Lightweight wall mounted plug-in or desk top design with screw type output terminals, depending on output current
- Connectors to the battery for all ACX charger models are alligator clips with insulated sleeves. The PSC-121000ACX, PSC-126000ACX, and PSC-122000ACX are also offered with Power Sport ring clips
- Protected against accidental reverse polarity connection
- The ACX line of chargers have ETL, FCC, DOE, and European C.E. approvals

SPECIFICATIONS

Model	Nominal Voltage	Output Voltage Bulk/ Float Charge	Output Current mA	Type Automatic	Dimensions: inch (mm)			Weight		Output Connections
					Length	Width	Height	lbs.	kgs.	
PSC-6500ACX	6	7.35 / 6.7Vdc	500	dual rate	3.14 (80)	1.96 (50)	2.24 (57)	0.22	0.10	Alligator Clips
PSC-61000ACX	6	7.35 / 6.7Vdc	1000	dual rate	3.14 (80)	1.96 (50)	2.24 (57)	0.20	0.09	Alligator Clips
PSC-12500ACX	12	14.7 / 13.3Vdc	500	dual rate	3.14 (80)	1.96 (50)	2.24 (57)	0.20	0.09	Alligator Clips
PSC-121000ACX	12	14.7 / 13.3Vdc	1000	dual rate	3.14 (80)	1.96 (50)	2.24 (57)	0.20	0.09	Alligator/ Ring Clips
*PSC-122000ACX	12	14.7 / 13.3Vdc	2000	dual rate	6.06 (154)	2.83 (72)	1.85 (47)	1.32	0.60	Alligator/ Ring Clips
*PSC-124000ACX	12	14.7 / 13.2Vdc	4000	dual rate	6.10 (155)	2.79 (71)	1.85 (47)	1.10	0.50	Alligator Clips
*PSC-126000ACX	12	14.7 / 13.2Vdc	6000	dual rate	6.49 (165)	3.74 (95)	2.36 (60)	1.78	0.81	Alligator/ Ring Clips
*PSC-1212000ACX	12	13.2 / 14.7Vdc	12000	dual rate	8.18 (208)	5.11 (130)	3.22 (82)	3.30	1.50	Alligator

* Charger switches to float if automatic conditions are not met after 12-13 hours.

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Reno, Nevada 89439
USA
T: +1 775 824 6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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CALCULATING RECHARGE TIME

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.

FURTHER INFORMATION

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities. If you have any queries or need help choosing a suitable charger please contact our technical team who will be happy to help.



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