



## C-SERIES SWITCH-MODE 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 - 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 "FAST" and "FLOAT" charging modes
- Lightweight wall mounted plug-in or desk top design with screw type output terminals, depending on output current
- Protected against accidental reverse polarity connection
- U.L. and European C.E. approval

### OPERATING CHARACTERISTICS

"A-C" 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 fast 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 fast charge mode voltage goes up to 2.45V +/- 0.05V before switching, in the float charge mode voltage is held between 2.25- 2.30V/cell.

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.

### SPECIFICATIONS

Model	Output Voltage		Output Current mA	Type Automatic	Dimensions: in. (mm)			Weight		Charger Design
	nominal	range			Length	Width	Height	lbs.	grams	
PSC-6300A-C	6	6.75-7.35	300	dual rate	2.05 (52)	1.57 (40)	2.64 (67)	0.21	94	Plug-in
PSC-6500A-C	6	6.75-7.35	500	dual rate	2.05 (52)	1.57 (40)	2.64 (67)	0.21	94	Plug-in
PSC-61000A-C	6	6.75-7.35	1000	dual rate	2.24 (57)	1.73 (44)	3.23 (82)	0.30	135	Plug-in
PSC-64000A-C	6	6.75-7.35	4000	dual rate	5.43 (138)	2.83 (72)	1.65 (42)	0.90	140	Desk Top
PSC-12300A-C	12	13.50-14.70	300	dual rate	2.05 (52)	1.57 (40)	2.64 (67)	0.21	94	Plug-in
PSC-12500A-C	12	13.50-14.70	500	dual rate	2.24 (57)	1.73 (44)	3.23 (82)	0.30	135	Plug-in
PSC-12800A-C	12	13.50-14.70	800	dual rate	2.24 (57)	1.73 (44)	3.23 (82)	0.30	135	Plug-in
PSC-122000A-C	12	13.50-14.70	1800	dual rate	5.43 (138)	2.83 (72)	1.65 (42)	0.90	140	Desk Top
PSC-124000A-C	12	13.50-14.70	4000	dual rate	5.43 (138)	2.83 (72)	1.65 (42)	0.90	140	Desk Top
PSC-1210000A-C	12	13.50-14.70	10000	dual rate	8.88 (220)	3.17 (131)	3.33 (85)	4.30	1950	Desk Top
PSC-241000A-C	24	27.00-29.40	1000	dual rate	5.43 (138)	2.83 (72)	1.65 (42)	0.90	140	Desk Top

## CHARGER SELECTION GUIDE

Charger Model	Max Output mA	Use With Battery		U.L./C.E. Certified
		Voltage	Capacity	
PSC-6300A-C	300	6V	1-3 AH	YES
PSC-6500A-C	500	6V	2-10 AH	YES
PSC-61000A-C	1000	6V	4.5-12 AH	YES
PSC-64000A-C	4000	6V	20-40 AH	YES
PSC-12300A-C	300	12V	1-5 AH	YES
PSC-12500A-C	500	12V	2-10 AH	YES
PSC-12800A-C	800	12V	4-12 AH	YES
PSC-122000A-C	1800	12V	10-20 AH	YES
PSC-124000A-C	4000	12V	13.5-14.7 AH	YES
PSC-1210000A-C	10000	12V	55-140 AH	NO
PSC-241000A-C	1000	24V	4.5-15 AH	YES

### 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.

**When charging batteries in series** (positive terminal of one battery is connected to negative of the other) all batteries in the string will receive the same amount of charge current, individual battery voltages may vary.

**When charging batteries in parallel** (positive terminals are connected with positive terminals, negative terminals with negative), all batteries in the string are subject to the same charge voltage, but the charge current each battery receives can and will vary until equalization is reached.



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