A&F Series Transformer Type Battery Chargers
FOR SLA BATTERIES

Features

Electronically regulated - current limited chargers for sealed lead-acid type batteries.

Wall mount plug-in design for 250, 300, 500, 800 series and 61000A; counter top design for 241000A, 2000, 4000 and 10A series.

Operating temperature range: 32ºF - 104ºF (0ºC - 40ºC).

Input voltage: 110/120 VAC, 60Hz. 122000A and 241000A can be switched to accept 220/230 VAC, 50Hz.

LED's: For 250A & 500A series: "POWER ON" and "CHARGING MODE" (ON=high-rate charging, OFF=float charging). For 300, 800, 1000, & 10A series: "FLOAT" and "FAST CHARGE" indicators. For 2000A, 241000A and 4000 series: single tri-color indicator.

Hi-impact resistant thermo-plastic housing for 250, 300, 500, and 800 series; metal housing for 1000, 2000, 4000, and 10A series.

Screw-type terminals for 250 & 500 series, I/O cord with battery connectors for 300, 800, 1000, 2000, 4000 and 10A series chargers.

Operating Characteristics

"A" Series: Automatic dual rate chargers sense battery requirements and automatically switch from the fast charge to float mode, or vice versa. LED's provide visual indication of the charging mode. Automatic chargers combine the advantages of float and cycle chargers; recharge time is short yet batteries are safe from being overcharged. This charger is ideal for cyclic applications where recharge time is critical and the battery may be left on charge indefinitely. As a result charging is fool-proof.

"F" Series: Float chargers are designed to provide optimum life for batteries used in standby applications where charging is continuous. The chargers deliver a constant voltage of 2.25 to 2.30 volts per cell which allow 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 back-up power to the AC source.

Specifications

Model	Nominal Voltage	Output Voltage Float/Fast	Output Current (mA)	Type	Dimensions: in. (mm)			Weight lbs. (kg)
					Length	Width	Height	
PSC-6250F	6	6.83 / NA	400	Fixed volt float	2.20 (56)	1.96 (50)	1.88 (48)	0.50 (0.23)
PSC-6250A	6	6.75 / 7.35	400	Dual Rate	2.20 (56)	1.96 (50)	1.88 (48)	0.50 (0.23)
PSC-6300A	6	6.84 / 7.35	300	Dual Rate	2.75 (69)	2.75 (70)	3.75 (95)	1.36 (0.62)
PSC-61000A	6	6.84 / 7.35	1000	Dual Rate	2.75 (70)	2.75 (70)	3.75 (95)	1.36 (0.62)
PSC-12800A	12	13.68 / 14.70	800	Dual Rate	2.75 (69)	2.75 (70)	3.75 (95)	1.36 (0.62)
PSC-122000A	12	13.50 / 14.70	2000	Dual Rate	5.55 (141)	3.60 (91)	2.89 (73)	3.80 (1.73)
PSC-124000A	12	13.50 / 14.70	4000	Dual Rate	6.65 (169)	5.30 (135)	3.40 (86)	7.40 (3.36)
PSC-124000AP	12	13.50 / 14.70	2,500/2,200	Charger/Pwr. Supply	6.65 (169)	5.30 (135)	3.40 (86)	7.40 (3.36)

SLA Charger Selection Guide

Charger Model	Max Output (mA)	Use with Battery		U.L./CSA Listing
		Voltage	Capacity	
PSC-6250F†	400	6	0.5 - 2 AH	U.L.
PSC-6250A†	400	6	1 - 3 AH	U.L.
PSC-6300A	300	6	1 - 3 AH	CSA/NRTL*
PSC-61000A	1000	6	5 - 10 AH	CSA/NRTL*
PSC-12800A	800	12	4 - 8 AH	CSA/NRTL*
PSC-122000A**	2000	12	8 - 20 AH	CSA
PSC-124000A**	4000	12	20 - 40 AH	CSA
PSC-124000AP***	3500	12	12- 40 AH	CSA

* The "NRTL/C" mark appearing next to the CSA stamp indicates that the charger was also tested to meet U.L. requirements (UL 1310). Under the provisions of this agreement, CSA and U.L. can now test to each others' specifications and thus obtain approval for both organizations.

** PSC-122000A and PSC-124000A can be switched to accept 115 VAC or 230 VAC input (47-63 Hz) allowing usage both here and abroad.

*** PSC-124000AP should be used when the automatic dual rate charger is used like a power supply. As such it can supply a continuous load current of up to 2.5A, yet still switch into float mode (13.8V) when the battery is fully charged.

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.

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.

BSI REGISTERED FIRM

CE EMC tested Germany — Certificate of CE

MH20845 — Certificate of UL

Certificate of ISO9001

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.

Contact Information

www.power-sonic.com

DOMESTIC SALES
Tel: +1-619-661-2020
Fax: +1-619-661-3650
national-sales@power-sonic.com

CUSTOMER SERVICE
Tel: +1-619-661-2030
Fax: +1-619-661-3648
customer-service@power-sonic.com

TECHNICAL SUPPORT
Tel: +1-619-661-2020
Fax: +1-619-661-3648
support@power-sonic.com

INTERNATIONAL SALES
Tel: +1-650-364-5001
Fax: +1-650-366-3662
international-sales@power-sonic.com

CORPORATE OFFICE • 7550 Panasonic Way • San Diego, CA 92154 • USA • Tel: +1-619-661-2020 • Fax: +1-619-661-3650

0810 1M

© 2010. Power-Sonic Corporation. All rights reserved. All trademarks are the property of their respective owners.

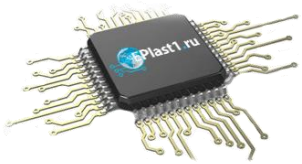
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.