



PC SERIES

SWITCH-MODE CHARGERS

For SLA Batteries

OPERATING CHARACTERISTICS

"PC" series 3 stage 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.

These chargers are ideal for cyclic applications where recharge time is critical and timely charge termination cannot be counted on. They also ensure optimum battery performance & service life.

PC float chargers are suitable for applications where recharge time is not as critical.

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.

CORPORATE HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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TECHNOLOGY

With proven, cutting-edge charging technology, Power Sonic is proud to offer the PC series of premium quality battery chargers.

- Engineered for efficiency and reliability
- UL approved
- Medically certified to EN60601-1
- Manufactured in Europe with high-quality components
- ISO certified production facilities

FEATURES

- I.C. based voltage and current regulation designed for sealed (valve-regulated) lead-acid batteries
- Useable on domestic and overseas input voltages
- Automatic dual-rate charging for efficient, care free and safe operation (dual rate not applicable to float chargers)
- 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
- Connectors to the battery for all PC charger models are alligator clips with insulated sleeves
- Protected against accidental reverse polarity connection
- European C.E. approval



PC SERIES SWITCH-MODE CHARGERS For SLA Batteries

	3 STAGE CHARGERS												FLOAT CHARGERS	
	PSC-6300-PC	PSC-6500-PC	PSC-61000-PC	PSC-61300-PC	PSC-12300-PC	PSC-12500-PC	PSC-121000-PC	PSC-122000-PC	PSC-124000-PC	PSC-1210000-PC	PSC-1220000-PC	PSC-243500-PC	PSC-6100-PC	PSC-12100-PC
	6V 0.3A	6V 0.5A	6V 1A	6V 1.3A	12V 0.3A	12V 0.5A	12V 1A	12v 2A	12v 4A	12v 10A	12v 20A	24v 3.5A	6V 0.1A	12V 0.1A
Max Output Power	2.205W	3.675W	7.35W	9.555W	4.41W	7.35W	14.7W	33W	58W	147W	294W	103W	0.685W	1.37W
Charge Current	0.3A	0.5A	1.0A	1.3A	0.3A	0.5A	1.0A	2.2	4	10A	20A	3.5	0.1A	0.1A
Charge Voltage	7.35V	7.35V	7.35V	7.35V	14.7V	14.7V	14.7V	14.7V	14.7V	14.7V	14.7V	29.4V	6.85V	13.7V
Charge Termination	150mA	250mA	250mA	250mA	150mA	250mA	250mA	250mA	<1.2A	Timed	<2.5A	<0.8A	n/a	n/a
Standby Voltage	6.85V	6.85V	6.85V	6.85V	13.7V	13.7V	13.7V	13.7V	13.7v	13.7v	13.7v	27.4V	6.85V	13.7V
Recommended Battery Capacity (Ah)	1.2-3 Ah	2-5 Ah	4-10 Ah	4-12 Ah	1.2-3 Ah	2-5 Ah	4-10 Ah	9/22Ah	16/40AH	40/100	80/200Ah	17.5/40	0.5-1Ah	0.5-1Ah
Length (mm)	103	103	103	103	103	103	103	117	135	184	245	160	103	103
Width (mm)	47	47	47	47	47	47	47	75	80	171	186	81	47	47
Height (mm)	39	39	39	39	39	39	39	44	44	54	63.5	44	39	39
Weight (g)	140	140	140	140	140	140	140	250	390	1.5	2.36	590	140	140
Style	plug in	plug in	plug in	plug in	plug in	plug in	plug in	plug in	plug in	desk top	desk top	desk top	plug in	plug in



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