

PureCharge™

Intelligent 3-Stage Battery Charger



FEATURES

- Microprocessor Controlled
- Seven Selectable Charge Curves
- 2/3 Isolated Outputs
- Simple Status LED Display
- Temperature Sensor Included
- Automatic Intelligent Cooling
- Light Weight and Compact Design
- Electronic Reverse Polarity Protection
- 3 Stage Charging: Bulk, Absorption, Float

Sinergex™

power box

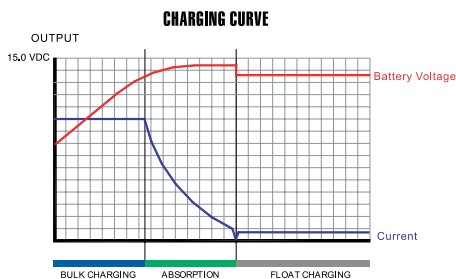


PureCharge™

The Sinergex PureCharge series are fully automatic and intelligent battery chargers. Using microprocessor and switch-mode technology, the PureCharge battery chargers carefully assess the battery and then deliver the optimum charge required.

Being a true 3-stage battery charger, the PureCharge delivers charges in bulk, absorption and float stages, each stage delivering the optimum charge for the best performance and power for your battery. By incorporating the float charge stage, the PureCharge battery charger allows you to set and forget, while your batteries are automatically maintained.

By implementing the latest technology, PureCharge battery chargers are extremely light in weight and very compact in size and can be used and installed almost anywhere.



Temperature has a major effect on batteries and charging. To overcome problems caused by temperature, the PureCharge includes a temperature sensor to measure ambient temperature and compensate to deliver an optimum efficient charge.



Want to know the status of your charge? The PureCharge incorporates a quick glance LED panel so you can easily see the level of charge.



The unique design of the PureCharge allows you to customize the charge for your needs. By using the simple DIP switches, you can select the charging voltages and curve to suit your battery. The PureCharge has seven preset selectable charging curve suitable for Lead Acid, AGM, and GEL batteries.

TECHNICAL SPECIFICATIONS	PC-1212	PC-2512	PC-4012	PC-0624	PC-1224	PC-2024
NORMAL INPUT VOLTAGE	80 - 150 VAC / 150 - 265 VAC			80 - 150 VAC / 150 - 265 VAC		
FREQUENCY	50 OR 60 Hz			50 OR 60 Hz		
NORMAL OUTPUT VOLTAGE	12 VDC			24 VDC		
MAXIMUM CHARGE CURRENT	12 AMPS	25 AMPS	40 AMPS	6 AMPS	12 AMPS	20 AMPS
CHARGE ALGORITHMS	IUoUo, AUTOMATIC 3 STAGE			IUoUo, AUTOMATIC 3 STAGE		
CHARGE VOLTAGE - ABSORPTION	7 SELECTABLE SETTINGS			7 SELECTABLE SETTINGS		
CHARGE VOLTAGE - FLOAT STAGE	7 SELECTABLE SETTINGS			7 SELECTABLE SETTINGS		
DIMENSIONS (MM)	270 X 185 X 70	270 X 185 X 70	330 X 185 X 70	270 X 185 X 70	270 X 185 X 70	330 X 185 X 70
WEIGHT (KGS/LBS)	3 KGS/6.6 LBS	3.5 KGS/7.7 LBS	4 KGS/8.8 LBS	3 KGS/6.6 LBS	3.5 KGS/7.7 LBS	4 KGS/8.8 LBS
BATTERY CAPACITY (RECOMMENDED)	50 - 200 AH	100 - 300 AH	100 - 400 AH	50 - 100 AH	50 - 100 AH	50 - 200 AH
EFFICIENCY	82%			82%		
TEMPERATURE COMPENSATION	AUTOMATIC TEMP. SENSOR (INCLUDED)			AUTOMATIC TEMP. SENSOR (INCLUDED)		
OPERATING TEMPERATURE	-10°C - 40° / -20°C - 60°C			-10°C - 40° / -20°C - 60°C		
PROTECTION CATEGORY	IP20			IP20		

