



Smart Battery Chargers



OUR SMART CONVERTERS CHARGE FASTER THAN CONVENTIONAL CHARGERS (10 AMPS)



Features:

- Advanced 8-bit microprocessor control circuit, reverse battery protected by fuse, ignition protection
- Output short circuit protection and overpower protection
- Switch mode technology
- Easy-to-read LED for system status
- Compact size and lightweight
- Power factor corrected to 0.98 = efficient charge
- Uses less AC power than conventional chargers of similar output
- Ideal for sealed or flooded batteries
- Small, lightweight and quiet

The Go Power! 10 Amp Smart Charger is designed specifically to extend the life of deep-cycle battery banks. With a unique microprocessor controlled electronic design, the Go Power! Smart Charger offers multi-stage charging to accurately recharge and maintain your battery banks without electrolyte loss.

The Smart Charger has a high frequency switching mode and is equipped with a micro-controller and a PFC circuit. This design allows this Battery Charger to perform with intelligent battery management and reliable operation.

The Smart Charger features a three stage charging process that provides more sophisticated and faster charging than conventional transformer type chargers. The charging stages are:

1. Bulk Stage: Constant current charging at a high voltage level at maximum amperage
2. Absorption Stage: Tapering current for the last 10-20% of charge
3. Float Stage: Lower voltage float mode to prevent electrolyte loss

It also features an LED display, reporting charging state, short circuit protection and over-temperature protection. The high efficiency electronic design makes the **GPSC-12-10A** the ideal choice for use with generators and for backup charger applications.

SPECIFICATIONS*	GPSC-12-10A
Current	10A
Voltage	12V
Power Watt	160W
Input Voltage	120-240 VAC / 50-60 Hz (Automatic Switching)
Power Factor	0.98
Bulk Voltage	14.4 VDC
Float Voltage	13.65 VDC
Banks	1
Safety	UL 1236 Pending, CE, TUV
Battery Type	Wet Acid or Bulk Rating > 14,3 (usually non sealed)
EMC	FCC Class A EN55022: 1994/A1: 1995/A5: 1997 EN61000-3-2: 2000, EN61000-3-3: 1995 & EN55024: 1998
Dimensions	51 x 84 x 208 mm
Weight	0.9 kg / 2 lbs
Warranty	1 Year

*Specifications subject to change without notice