



5-STAGE BATTERY CHARGER 12V/45A

SERIES EASY CHARGER

The EASY Charger Series is designed to charge batteries at least 25% faster than most standard chargers.

It provides multistage charging algorithm for quick and save charging of lead acid batteries.

Inbuilt electronic protection circuits are designed for maximum charger protection and high operational availability.

With the inbuilt, programmable timer, the charger is able to limit equalize charging time (stage 2).

Pulse charging mode is selectable

The robust aluminium enclosure is suitable for marine, mobile and industrial applications.

APPLICATIONS

- Marine & other rugged environments
- Automotive / RV
- Electric Utilities and Substations
- Base Station Power (Radio & Telecommunications)
- Oil Rigs
- OEM Applications
- Field Work / Construction Sites
- Solar Power Systems
- Emergency Power Backup (UPS)
- Security Systems

FEATURES

- Fast and reliable multi stage charging
- Programmable timer to limit Absorption / Equalize charging time
- High frequency switching topology
- SMD technology for small size and long life time
- Low ripple DC-output
- ON- / OFF switch
- Output short circuit protection
- Over load protection
- Pulse charging option
- Standard dual bank output
- Multi information displays
- Compact size, light weight
- Meets CE, RoHS



Digital display



High frequency technology



Light weight, compact size



Full electronic protection



Programmable

SPECIFICATIONS

MODEL		EC-1245D
Input	Voltage	90~250VAC
	Frequency	47~63Hz
	Inrush Current	Cold Start 60A
	Leakage Current	For eart < 1mA/264VAC
Output	Bulk Charge	14.4V +/-0.2V
	Floating Charge	13.8V +/-0.2V
	Rated Current	45A +/-1.5A
	Rated Power	648W
	Efficiency	80%
	Ripple (max.)	125mVp-p
	O/P Terminal Bank	Dual Bank
	Equalizer->Float Charge	<10% of Rated Current (+/- 0.7A)
	Float->Equalizer Charge	>12% of Rated Current (+/- 1A)
Protections	Current Limit	Yes
	Short-Circuit	Yes, unit cut off
	Overload	Yes, max. current limited
	Over-Temp.	>65°C, Reduce O/P Voltage & O/P Current (Measure Inner Heatsink)
	Reverse polarity protection	by fuse *
Indication **		Digital Meter & LED
Functions	Pulse Charge	Yes
	Parallel Connection	Yes (O/P Current Balance)
	Cooling Fan	Speed control by charging stages
Environment	Operating Temperature Range	0° - 40°C
	Humidity	5 - 95% non-condensing
Labels	EMI	Compliance to EN55014-1 Class B
	Standards	CE, RoHS
Mechanical	Dimensions	323*231*106mm
	Weight	4KGS
	Connections AC	AC-Connector
	Connections DC	Clamps

* Unit may be destroyed when battery is wrong connected

** Bicolor LED; orange, green / Digital Meter; VDC, ADC, PDC

OEM and special units on request

