



## 5-STAGE BATTERY CHARGER 24V/23A

### 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 safe 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 for EASY Charger 2423D

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 (D models only)
- 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 (D Series only)
- 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-2423M	EC-2423D
Input	Voltage	AC190~250V	
	Frequency	47~63HZ	
	Inrush Current	Cold Start 60A	
	Leakage Current	For eart < 1mA/264VAC	
Output	Bulk Charge	28.8V +/-0.3V	
	Floating Charge	27.4V +/-0.3V	
	Rated Current	23A +/-1A	
	Rated Power	660W	
	Efficiency	81%	
	Ripple (max.)	125mVp-p	
	O/P Terminal Bank	Single 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 **		LCD & LED	Digital Meter & LED
Functions	Pulse Charge	N/A	
	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 / LCD; equalize charging, float charging, battery level / Digital Meter; VDC, ADC, PDC

OEM and special units on request

