



## Benefits

- Quiet operation
- Power for sensitive electronics, without interference
- Multiple electronic protection functions
- Light weight
- Compact size
- Rugged & Reliable
- Fast & Accurate Charging

## Applications

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

## Battery Chargers

Series EASY Charger 2423M/D

### Description

The EASY Charger Series has been design to be at least 25% more efficient than other ordinary chargers.

It provides 3-stage charging algorithm IUoUo for quick and save charging of wet, AGM and gel batteries.

It will increase lifetime and charging speed of your batteries.

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

Pulse charging mode is selectable for EASY Charger 2423D

The robust enclosure is suitable for telecommunications and industrial applications.

### Features

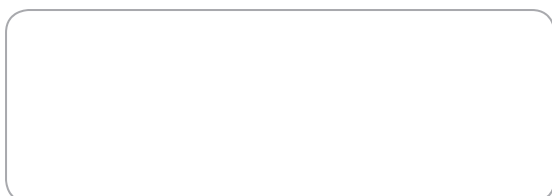
- Fast and reliable 3-stage charging
- High frequency switching topology
- SMD technology for small size and long life time
- Low ripple DC-output
- Temperature compensation optional
- ON- / OFF switch
- Output short circuit protection
- Over load protection
- Pulse charging option (D Series only)
- Multi information displays
- Compact size
- Meets CE, RoHS

# Specifications ( Specifications Subject to Change Without Notice)

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	Yes
	Parallel Connection	Yes (O/P Current Balance)	
	External Temperature Sensor	optional	
	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			
Options:			
OEM and special units on request			

**RoHS Compliant**  
Directive 2002/95/EC

Available from:



**RIPEnergy**

The power conversion company

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