

# **5-STAGE BATTERY CHARGER 12V**

#### SERIES EASY CHARGER

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

It provides mulit stage 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 inbuild, programmable timer, the charger is able to limit equalize charging time (stage 2).

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



Digital display



High







Light weight, frequency compact size technoloav

Full electronic protection

Programmable

## **RIPE**ENERGY The Power Conversion Company

### **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

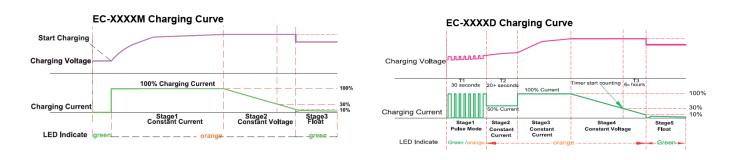
### **FEATURES**

- Fast and reliable multi stage charging
- Programmable timer to limit Absorption / Equalize charging time (D models only)
- 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
- Standard dual bank output (1230 only)
- Multi information displays
- Compact size, light weightMeets CE, RoHS

# **SPECIFICATIONS**

MODEL		EC-1202M	EC-1206	EC-1210D	EC-1220D	EC-1230D	
Input	Voltage	AC100~240V			AC200~240V	AC200~240V	
	Frequency	47~63HZ					
Output	Bulk Charge	14.7 +/-0.1	14.7 +/-0.1 14.7V +/-0.2V				
	Floating Charge	13.7 +/-0.1 13.7V +/-0.2V					
	Current	2A +/-0.2A	6A +/-0.3A	10A +/-0.5A	20A +/-1A	30A +/-1.5A	
	Rated Power	30W	88W	150W	300W	450W	
	Efficiency	>85% ( at full load)					
	Dualbank	N/A		N/A	N/A	Yes	
Protections	Current Limit	Yes					
	Short-Circuit	Yes, unit shut off					
	Overload	Yes, max. current limited					
	Over-Temp.	Yes, auto restart					
	Reverse polarity protection	electronically			electronically	by fuse *	
Indication **		LED	LED	Digital Meter & LED	Digital Meter & LED	Digital Meter & LED	
Functions	Programmable timer for Absorption / Equalize mode	N/A	N/A	Yes	Yes	Yes	
	Charging Curve	3-Stage	3-Stage	5-Stage	5-Stage	5-Stage	
	Cooling Fan	N/A	Speed control by charging stages				
Environment	Operating Temperature Range	-10° to 50°C, derating 2% per°C from 40°C					
	Humidity	5 - 95% non-condensing					
Labels	EMI	Compliance to EN55014-1 Class B					
	Standards	CE, RoHS					
Mechanical	Dimensions	117*70*40	155*70*48	167*103*50mm	190*118*58mm	275*152*70mm	
	Weight	0.35KG	0.5KG	0.9KG	1.2KG	2.4KG	
	Connections AC	AC-Connector					
	Connections DC	DC Alligator Clips				Clamps	
	Protection Category	IP20					
* Unit may b	e destroyed when batte	ery is wrong con	nected				
** Tricolor LEI	D; red, green, yellow	/ Digital Meter;	VDC, ADC, AH,	Battery charge level %, (	Charging time		

Options: 6V/24V/36V/48V models, Charging Current from 6 up to 95A and OEM and special units on request



**Version 1.10.19** Specifications Subject to Change Without Notice





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