

# EASY Charger 3-stage LiFe Battery Chargers



3-Stage Charging



Pre-Charging



Quick Charge



Digital Display



High frequency technology



Light weight



Multiple electronic protection

## 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 ECLiFe 4 / 8 cells

### Description

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

It provides 3-stage charging algorithm for quick and save charging of LiFEPO4 and Lithium type batteries only.

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

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

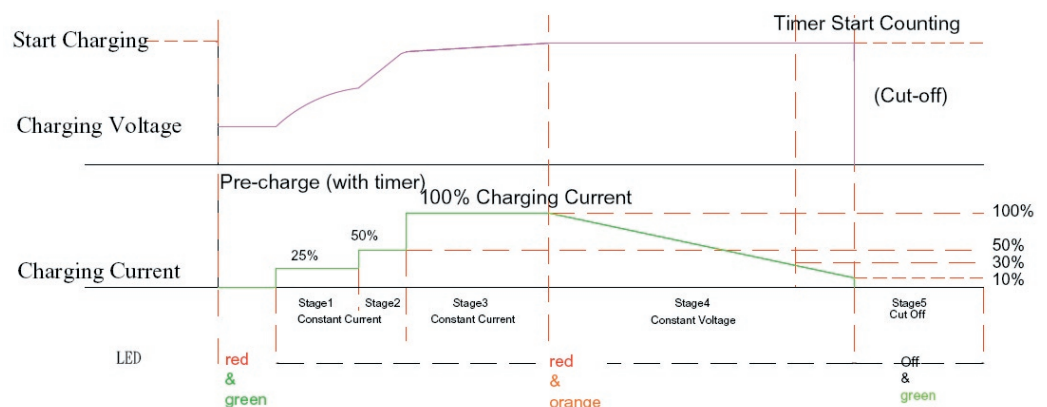
### Features

- Fast and reliable 3-stage charging
- High frequency switching topology
- SMD technology for small size and long life time
- Low ripple DC-output
- ON- / OFF switch
- Output short circuit protection
- Over load protection
- Multi information displays
- Compact size, light weight
- Meets CE, RoHS

# Specifications ( Specifications Subject to Change Without Notice)

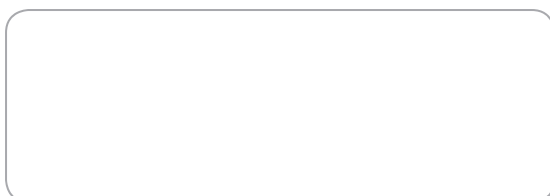
MODEL		EC-0410LFD EC-0807LFD	EC-0418LFD EC-0812LFD	EC-0425LFD EC-0814LFD	EC-0430LFD EC-0817LFD	EC-0445LFD EC-0823LFD
Input	Voltage	AC100~240V	AC200~240			
	Frequency	47~63HZ				
Output	Equalizer Charge	14.6V+/-0.1V (29.2V+/-0.2V)				
	Rating Current (+/-0.2A)	10A 7A	18A 12A	25A 14A	30A 17A	45A 23A
	Pre-charge1(@>2.5V/cell) Timer1 (30minutes) (+/-0.2A)	2.5A 1.75A	5A 3A	6.25A 3.5A	7.5A 4.25A	11.25A 7.5A
	Pre-charge2(@>2.75V/cell) Timer2 (6minutes) (+/-0.2A)	5A 3.5A	10A 6A	12.5A 7A	15A 8.5A	22.5A 11.5A
	< 30% of rating current Timer3 (2hours) (+/-0.2A)	3A 2.1A	6A 3.6A	7.5A 4.2A	9A 5.1A	13.5A 6.9A
	Cut-Off (10% of rating) (+/-0.2A)	1A 0.7A	2A 1.2A	2.5A 1.4A	3A 1.7A	4.5A 2.3A
	Wattage	200W	300W	400W	500W	670W
	Efficiency	>85% (at full load)				
	Protections	Overload	YES, Current Limited			
Short-Circuit		YES, Automatic Shutdown				
Reverse polarity protection *		YES, Automatic Shutdown				
Indication **	Digital Meter & LED					
Functions	Cooling Fan	Speed Controlled by Charging Stage				
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	167*103*50mm	190*118*58mm	152*70*225mm	152*70*275mm	323*231*106mm
	Weight	0.9KG	1.2KG	2.1KG	2.4KG	4.2KG
	Connections AC	AC-Connector				
	Connections DC	DC Alligator Clips	Clamps			
	Protection Category	IP20				
* Unit may be destroyed when battery is wrong connected						
3, 5, 6, 7, 9, 10, 11 and other cells is available upon receiving customer's request.						

## Charging Curve and LED indications



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

Available from:



**RIPEnergy**

The power conversion company

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