

# 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 12 / 16 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.

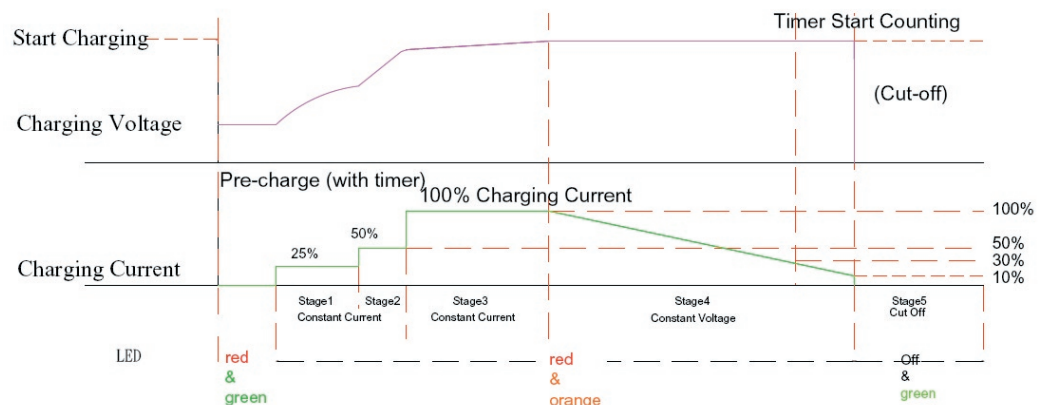
### Features

- 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)

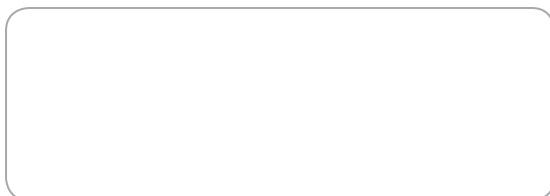
MODEL		EC-12045LFD EC-16035LFD	EC-12080LFD EC-16060LFD	EC-12090LFD EC-16070LFD	EC-12110LFD EC-16085LFD	EC-12150LFD EC-16110LFD	
Input	Voltage	AC100~240V	AC200~240				
	Frequency	47~63HZ					
Output	Equalizer Charge	43.8V+/-0.3V (58.4V+/-0.4V)					
	Rating Current (+/-0.2A)	4.5A 3.5A	8A 6A	9A 7A	11A 8.5A	15A 11A	
	Pre-charge1(@>2.5V/cell) Timer1 (30minutes) (+/-0.2A)	1.1A 0.9A	2A 1.5A	2.2A 1.7A	2.7A 2.1A	3.7A 2.7A	
	Pre-charge2(@>2.75V/cell) Timer2 (6minutes) (+/-0.2A)	2.3A 1.8A	4A 3A	4.5A 3.5A	5.5A 4.3A	7.5A 5.5A	
	< 30% of rating current Timer3 (2hours) (+/-0.2A)	1.35A 1.05A	2.4A 1.8A	2.7A 2.1A	3.3A 2.55A	4.5A 3.3A	
	Cut-Off (10% of rating) (+/-0.2A)	0.45A 0.35A	0.8A 0.6A	0.9A 0.7A	1.1A 0.9A	1.5A 1.1A	
	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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