



5-Stage Charging



Pulse 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 19"

### Description

The EASY Charger 19" Series has been design to be at least 25% more efficient than other ordinary chargers.

It provides multi-stage charging algorithm 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 1290D, 2445D, 3632D and 4822D.

The robust 19" rackmount enclosure is suitable for telecommunications and industrial applications.

### Features

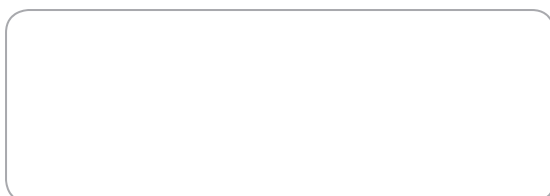
- Fast and reliable 3-stage charging
- High frequency switching topology
- SMD technology for small size and long life time
- Low ripple DC-output
- ON- / OFF switch
- Output short circuit protection
- Over load protection
- Pulse charging option
- Multi information displays
- Compact size, 19" rackmount
- Meets CE, RoHS

# Specifications ( Specifications Subject to Change Without Notice)

| MODEL  |                             | EC-1290DR  | EC-2445DR     | EC-3632DR     | EC-4822DR     |
|--|-----------------------------|--|---------------|---------------|---------------|
| Input  | Voltage                     | AC190~250V   |               |               |               |
|  | Frequency                   | 47~63HZ  |               |               |               |
|  | Inrush Current              | Cold Start 60A   |               |               |               |
|  | Leakage Current             | For eart < 1mA/264VAC  |               |               |               |
| Output   | Bulk Charge                 | 14.4V +/-0.2V  | 28.8V +/-0.3V | 43.2V +/-0.3V | 57.6V +/-0.4V |
|  | Floating Charge             | 13.8V +/-0.2V  | 27.6V +/-0.3V | 41.4V +/-0.3V | 55.2V +/-0.4V |
|  | Rated Current               | 90A +/-1.5A  | 45A +/-1A     | 30A +/-0.5A   | 22A +/-0.5A   |
|  | Rated Power                 | 1300W  | 1300W         | 1300W         | 1300W         |
|  | Efficiency                  | 80%  | 81%           | 83%           | 84%           |
|  | Ripple (max.)               | 125mVp-p   |               |               |               |
|  | O/P Terminal Bank           | Single Bank  |               |               |               |
|  | Equalizer-->Float Charge    | <10% of Rated Current (+/- 0.7A, Adjustable)                     |               |               |               |
|  | Float-->Equalizer Charge    | >12% of Rated Current (+/- 1A, Adjustable)                       |               |               |               |
| 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 **  | Digital Meter & LED         |  |               |               |               |
| Functions  | Pulse Charge                | Yes  |               |               |               |
|  | Parallel Connection         | 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                  | 480*355*88mm   |               |               |               |
|  | Weight                      | 8KGS   |               |               |               |
|  | Connections AC              | AC-Connector   |               |               |               |
|  | Connections DC              | Clamps   |               |               |               |
|  | Protection Category         | IP20   |               |               |               |
| * Unit may be destroyed when battery is wrong connected      |                             |  |               |               |               |
| ** Bicolor LED; orange, green / 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

RIPEnergy AG  
Wägitalstrasse 24  
CH-8854 Siebnen  
Switzerland

Ph +41-(0)43-818 53 85  
Fax +41-(0)43-818 53 87  
www.ripenergy.ch