



**Enermax Systems**  
The Energy People  
ISO 9001:2015 Certified



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## BATTERY CHARGER FOR ELECTRIC RICKSHAW



**Enermax E-Rickshaw Battery Charger 48v/15Amp.**

Electric Rickshaw Charger is designed to fulfill charging needs of Electric Rickshaws. This intelligent charger is capable of operating at wide Input AC voltage range of 170-300VAC. It has been designed to withstand the adverse Indian power conditions. Efficient, compact in size, 4 stage battery charging algorithm is some of its salient features when compared to the linear chargers (bulky transformer based chargers). Its high efficiency and battery life extension features are its USP.

### ➤ SALIENT FEATURES:

1. Digital voltage and current display.
2. High efficiency – 91 % consumes very little power.
3. Extended battery life - Battery life is enhanced greatly.
4. Deep discharge charging capability - charges batteries with deep discharge voltage of 24V.
5. Battery reverse polarity protection
6. Overload protection and accurate battery current limit.

## ➤ THE COMPANY :

Company with more than 20 years of experience in switching power supplies and charger.

Manufactured in a state-of-the-art ISO – 9001:2015 Facility.

Highly qualified & experienced **R&D** team.

## ➤ SPECIFICATIONS:

### AC Input

- I. AC Input Voltage – range : 170 - 300 VAC
- II. AC Input Voltage - nominal : 230 VAC rms
- III. AC Input Frequency : 40 - 60 Hz
- IV. AC Input Current - maximum : 5.0A rms

### DC Output

- I. Output Voltage

Float Voltage	56V
Boost Voltage	58V

- II. Maximum DC Output Voltage : 60V ± 0.5V DC
- III. Output Current : 15A ± 0.5A
- IV. DC Output Line & Load Regulation : Tolerance ± 2% at cable
- V. DC Ripple / Noise : <600mV / <1200Mv PK-PK

### Protections

- I. Output over load : Available
- II. Output short circuit : Available
- III. Output over voltage : Available
- IV. Over temperature with  
Auto recovery : Available
- V. Battery reverse : Available
- VI. Operating Temperature : 0°C to +50°C
- VII. Storage Temperature : -10°C to +60°C

### Mechanical

- I. Dimensions : W=191.6mm,  
H=90mm,  
L=275mm
- II. Weight : 3.00 kg
- III. AC input connector : 1.5meter length with 3core ,  
3pin 15A AC plug
- I. DC output Terminal : 30A Terminal (Red&Black)

### Operation

- I. Battery Level Indication  
(25% to 100%) : Green
- II. Float/Boost : Green / Red