

Electric Rickshaw Battery Charger



C2AK480012
(For 4 Battery System)

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 are 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:

- High efficiency - consumes very little power.
- Extended battery life - Battery life is enhanced greatly.
- Intelligent with a powerful micro controller - programmable battery profile adjustment is possible.
- Deep discharge charging capability - charges batteries with deep discharge voltage of 32V.
- Over charge Protection - maximum charging time limit of 14 hours provided
- Battery reverse polarity protection
- Overload protection and accurate battery current limit.

THE COMPANY :

- Company with more than 18 years of experience in switching power supplies.
- Manufactured in a state-of-the-art ISO - 9001 Facility.
- Highly qualified & experienced R&D team.

SPECIFICATIONS

AC Input

AC Input Voltage - range	: 170 - 300 VAC
AC Input Voltage - nominal	: 230 VAC rms
AC Input Frequency	: 47 - 53 Hz
AC Input Current - maximum	: 5.0A rms

DC Output

Maximum DC Output Voltage	: 65V \pm 0.5V
DC Output Current	: 12A \pm 0.5A
DC Output Line & Load Regulation	: Tolerance \pm 2% at cable
DC Ripple / Noise	: <600mV / <1200mV Pk-Pk

Protections

Output over load	: Available
Output short circuit	: Available
Output over voltage	: Available
Over temperature with auto recovery	: Available
Battery reverse	: Available
Boost charging safety timer	: Available

Environmental

Operating Temperature	: 0°C to +50°C
Storage Temperature	: -10°C to +60°C

Mechanical

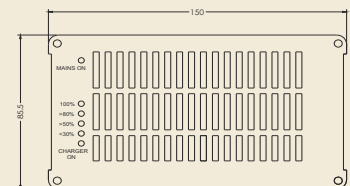
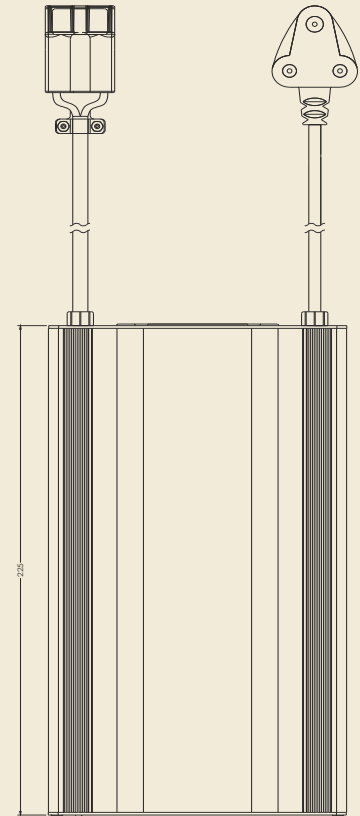
Enclosure	: Aluminum
Dimensions	: W=150mm, H=85.5mm, D=225mm
Weight	: 3.2Kg
AC input connector	: 2meter length with 3core , 3pin AC plug
DC output connector	: SB50 connector with 2Core cable

Operation

AC input ON LED	: Red LED
Battery Charge ON LED	: Green LED Blinking (any)
Charge Complete	: Red LED Off, all Green LEDs Constant

Special Features

Unit will monitor the battery voltage and produce output only when right battery pack connected.



All dimensions are in mm.

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* Specifications may change without prior notice.