



High Speed Charger (48 volts 20 Amp) for E-Rickshaw - Lead Acid Batteries

iDB Power Solution Private Limited's **E-Rickshaw Battery Charger** (48 Volts 20 Amp) is a latest technology product -Transformer based (Torroidal) for fast charging pack of 4 Lead Acid batteries in string (48v). This charger has intelligent charging profile which enables charging of even deep discharged batteries (with almost zero gravity to full charging 1240/50 gravity), starts with boost charging and on reaching full back up automatically changes to Float charging. It has an attractive LED system for indicating charge status of the battery. It has necessary safety features like reverse polarity protection, over charging and overheating protection inbuilt. The charger is compact, rugged and of aesthetic design for easy handling, maintenance and long life.

Salient Features

- Fast charging even at low mains voltage with 20 Amp. Current,
- Pulse Charging Current to enable charging of Deep Discharged (almost zero gravity) Battery,
- Charging profile which ensures full back up (1240/50 gravity),
- Automatic change over from Boost Charging to Float Charging,
- Informative Battery Bar Graph and Mains indication,
- Electronic Reverse Polarity Protection and
- Compact size and weight for easy handling (as compared to Manual / Transformer (EI) based chargers),
- Rugged metal enclosure for longer charger life,
- Ergonomic Design enabling easy repair and maintenance.

Specifications



Charger Models	iDB4820EBA
DC Output Current	20A ± 1 A
AC Input	
AC Input Voltage - range	180-260 VAC
AC Input Voltage - nominal	230 VAC
AC Input Frequency	50Hz
DC Output	
DC Output Voltage	61V-64V
DC Output Current	20 Amp + /- 2 Amp Pulsated
Protections	
Output Overload / Over charging	
Over Temperature	
Electronic Reverse Battery protection	
Visual Indications	
AC Input Present - Mains Nominal Indication	
4 LED Battery Charge Status Bar Graph	
Fault Indications by LED Blink	
Battery Too Low, Battery Too High, Abnormal High Current	
Over Temperature / Fan Failure, Mains Abnormal	
Battery Details	
Battery Type	Lead Acid Plate Type , Tubular Batteries
Battery Capacity	100 – 160 Ah
Environment	
Operating Temperature	0 to +50 C
Humidity	95% RH Non-Condensing
Weight & Dimensions	
Dimensions	W=240mm, H=150mm, L=320mm
Weight	10 Kg approx..
Enclosure	Powder Coated Sheet Metal Cabinet