

PRODUCT ADVANTAGES:

- Innovative Architecture
- Energy Saving
- Wide Industry Usage
- Technically Complied
- Approved Circuit Design
- Cost Effective With Long Term Service
- 350+ Battery Charger Installed in Pakistan



NTDC Design Approved

GRID STATION BATTERY CHARGER

110V 40Amp

PRODUCT FEATURES:

- Load protection and safety at high input voltage levels
- Increased battery life with low DC ripple values.
- Low battery and rectifier failure alarms.
- Adjustable boost and float charging.
- Automatic alarm contacts.
- Front panel equipped with all necessary voltage and current indicators.
- High temperature protection through self-cooling.
- Automatic voltage adjustment, controlled current capability and short circuit protection



Your's Complete Power
Solution Provider





110 DC, 40 Amp Battery Charger Data Sheet

Section 1 – Product Identification

Model	CR-1140CP3-R0
Specifications	Conforms to NTDC specification type B of station Battery charger suitable for 55 cell batteries

Section 2 – Electrical Characteristics

Topology	Three –phase full controller full wave AC rectifier with isolation transformer
Nominal Rating	110V DC, 40Amp
Related Voltage	415V AC \pm 10%
Related Frequency	50Hz -5%
Isolation Voltage	2K VAC input chassis and output chassis for 1 minute.
Insulation Resistance	>20 M Ω
Transformer	Galvanically Isolated Taps, 340,380,415,450,490VAC
Float Output Voltage	110V –132V
Boost Output Voltage	122V – 132V
Output Ripple	Less than 3% RMS
Full Load Efficiency	>80% Operating

Section 3 – Safety and Security Characteristics

Protection Level	IP 23 (Standard) : IP 54 (Optional)
Filtering	L-C Filter
Cooling System	Self-Cooling
Temperature	-10 / +50 °C
Relative Humidity	0% to 95% Non Conductive

Section 4 – Physical Characteristics

Enclosure Material	Mild Steel , Zinc Phosphate Coated; 120 μ m Electrostatic paints; 2.0mm thickness
Front Panel	During normal Operation of battery charger, no need to open the door. All the essential parameters are available at front panel
Indications	Main AC, Float, Boost
Measurements	AC Main Voltmeter, DC Charger/Battery Voltmeter, DC Charger Ammeter, Dc Load Ammeter.
Panel Lights	20 Watt Lamp , 220VAC operated through Door Switch
Panel Sockets	3-Pin female socket for general use up to 240V, 05 Amp
Cable Entry	Front bottom
Switches	Main ON/OFF , Voltage Selector switch for charger/battery load, Mode selector switch for Float , Boost, Auto, Manual
Remote Indicators	Charger Failure, DC Over Voltage, DC Under Voltage, Capacitor Fuse failure, Load Over Voltage, Phase abnormal

Section 5 – Dimensions

Height	1650mm
Width	800mm
Depth	700mm
Weight	300Kg (approx.)

Note: Charger Specifications and design are subject to change without any prior notice.