

**PRODUCT ADVANTAGES:**

- Innovative Architecture
- Energy Saving
- Wide Industry Usage
- Technically Complied
- After Sales Support
- Cost Effective With Long Term Service
- 350+ Battery Charger Installed in Pakistan



NTDC Design Approved

# GRID STATION BATTERY CHARGER

110V 25Amp

**PRODUCT FEATURES:**

- High Protection DC Charger /Rectifier
- Complete Load Isolation
- Low DC Ripple with Increased Battery Life
- Automatic Boost /Float Charging
- Automatic Alarms Contacts
- Adjustable Output Current /Voltage
- Load Over Voltage Protection
- Battery Over Voltage Protection
- Overload and Short Circuit Protection

Your's Complete Power  
Solution Provider



## 110V DC, 25 Amp Battery Charger Data Sheet

### Section 1 – Product Identification

Model	<b>1125CP1-CP1-R1</b>
Specifications	Conforms to NTDC specification of station Battery charger suitable for 55 cell batteries @150Ah

### Section 2 – Electrical Characteristics

Topology	Single –phase full controller full wave AC rectifier with isolation transformer
Nominal Rating	110V DC, 25Amp
Related Voltage	220 VAC $\pm 10\%$
Related Frequency	50Hz $\pm 5\%$
Isolation Voltage	2K VAC input chassis and output chassis for 1 minute.
Insulation Resistance	>20 M $\Omega$
Transformer	Galvanically Isolated Taps, 220,230.240.250 VAC
Float Output Voltage	110V – 132V
Boost Output Voltage	121V – 143V
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	5% to 95% Non Conductive

### Section 4 – Physical Characteristics

Enclosure Material	Mild Steel , Zinc Phosphate Coated; 120 $\mu$ 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, Manual
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, Load link open

### Section 5 – Dimensions

Height	1370mm
Width	610mm
Depth	610mm
Weight	225Kg (approx.)

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