

BHARAT DC001

20 kW

Input Voltage (VAC)

3-Ph 400V (+/- 10%)

Output Voltage (V)

20-100V DC

Max. Output Power Rating (kW)

20kW DC

Display

7" TFT Color Touch Screen

User Authentication

RFID / Mobile App based

Charger and Vehicle
Communication

CAN

Charger Interface

LAN / 4G / WiFi

Place of Installation

Indoor / Outdoor

Ingress Protection

IP54



Applications



HIGHWAY



PARKING



SERVICE
STATION



COMMERCIAL



FLEET



RESIDENTIAL



HOTEL

BHARAT

DC001 20kW

| | |
|--|---|
| Input Voltage (VAC) | 3-Ph 400V (+/-10%) |
| Efficiency (%) | >94% |
| Input Frequency (Hz) | 50 Hz (+/-1.5 Hz) |
| Input Current (A AC) | <35 A |
| Wires | 5 wire (L1,L2,L3, N,PE) |
| Standby Power | 40W |
| Power Factor | >98 |
| Current THD | <=5% (50% to 100%) as per IEC 61000-3-12 |
| Number of Outputs | 1 |
| Output Connector type | GB/T 20234.3 |
| Output Voltage (v) | 20-100V DC |
| Max. Output Current (DC) | Max. 200A DC |
| Max. Output Power Rating (kW) | Max 20 kW DC |
| Display | 7" TFT Color Touch Screen |
| Electrical metering | To comply with IEC 62052-11 & IC 62053-21 |
| Emergency Push Button | Provided |
| User Authentication | RFID / Mobile App based |
| Visual Status Indication | LCD and LED for Mains available, Charging status, System error |
| Charging Mode | IEC 61851-1 (Mode-4) |
| Charger and Vehicle Communication | CAN |
| Charger and CMS communication | Open Charge Point Protocol 1.6J |
| Compliance | AIS138 / ISI7017-1 / IEC61851-1 |
| Charger Interface | LAN / 4G / WiFi |
| Remote Firmware Update | FOTA |
| Protections | Input Over Voltage, Input Under Voltage, Input Short Circuit, Input over Current, Connection Abnormality, Emergency Stop, Surge Protection upto 4KV, Residual Leakage Current-30mA, Ground Fault, Earth Presence Monitoring, Output Over Current, Over Temperature (Derating/Shutdown), Insulation Resistance Monitoring Reverse Battery Connection |
| EMI/EMC | Immunity to Electro Static Discharge (IEC 61000-4-2), Voltage Dips and Interruptions (IEC 61000-4-11), Electric Fast Transient (IC 61000-4-4), Voltage Surge (IC 61000-4-5), Radiated Emission, Conducted Emission, Radiated Immunity, Conducted Immunity. |
| Ambient Temperature | -20° to +55° C (derating from +55°C to +65°C) |
| Relative Humidity | <95%, non-condensing |
| Place of installation | Indoor / Outdoor |
| Ingress Protection | IP54 |
| Enclosure Protection | IK10 |
| Cooling | Forced Air Convection |
| Charging wire length | 5 Mtr |
| Payment systems | Billing & transaction with various modes of payment |
| Memory Storage | To store 50 event logs. To store last 50 charging session information |
| Application | 4W, Buses |
| Battery back-up | 15 minutes (Optional) |
| Max. dimension (W X D X H) mm | 700 x 295 x 625 |
| Max. Weight (KGS) | 70KG |
| Installation Type | wall / Pole mounting as well. |

LUBI EV SOLUTIONS

Lubi Corporate Campus - Near Tragad Under Pass, S.P. Tragad, Ahmedabad - 382421. Gujarat, India
Phone: +917961700100 Ext. 323

Sales Enquiries: sales@lubievsolutions.com

www.lubievsolutions.com

Product improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.