



# 24x7 EV STATION

# 120 / 240KW DC ULTRA-FAST CHARGER

120kw DC Charger Model no : DC1201  
240kw DC Charger Model no : DC2402

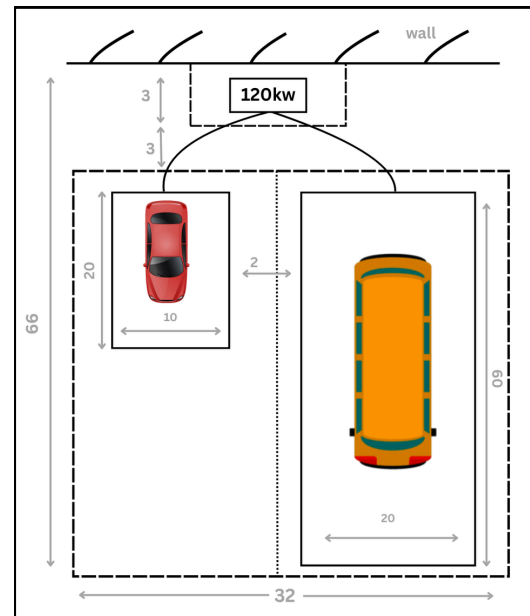
## Key Features :

- Battery Backup | RFID
- High Speed Charging with 1000V module
- Advanced Safety Protections including provision for Smoke & Tilt Sensors
- High Efficiency >95%
- Onboard Temperature Sensor
- Upgrade Power Rating by stacking additional modules
- Ethernet | Wifi | 4G
- OCPPv1.6J with Autocharge
- Optional feature: Cable Management System



## Safety Features :

- Varistor Fault Detection
- Overvoltage Protection
- Type B Earth Leakage Protection
- Relay Welding Protection
- Surge Protection upto 8kV
- Over Current Protection
- Over Temperature Protection
- Onboard GFCI Protection



Min. 1000sq.ft area is needed to install & operate DC Ultra Fast Charger.

## Applications



Highways



Commercials



Parkings



MALLS



# 24x7 EV STATION

## 120 / 240 KW DC ULTRA FAST CHARGER

### • POWER

| CHARACTERISTICS        | 120 KW CHARGER                                | 240 KW DC CHARGER |
|------------------------|---|-------------------|
| Rated Power            | 30 KW   | 60 KW             |
| Input voltage          | 3-Phase, 415V (+6% and -10%)                  |                   |
| Number of Output       | Single Gun                                    | Dual gun          |
| Output current         | 200 Max                                       | 250A Max          |
| Output Charging Outlet | Combined Charging System Combo 2 (CCS2)       |                   |
| Output voltage         | 200-1000 VDC                                  | 200-1000 VDC      |
| Efficiency             | ≥95%  |                   |
| Power Factor           | 20.98   |                   |
| Battery Backup         | Battery Backup for controlling unit > 60 mins |                   |



### • Controls and User Interface

|                     |  |
|---------------------|--|
| Display             | 7" TFT LCD Display Touchscreen (Optional 10" size) |
| LEDs                | LEDs for charging/fault modes                      |
| User Authentication | RFID + OCPPv1.6                                    |

### • Environment

|                     |                      |
|---------------------|----------------------|
| Ambient emperature  | -20°C to 55°C        |
| Storage Temperature | -40°C to 70°C        |
| Altitude            | 2000 Mtr             |
| Humidity            | <95%, Non condensing |

### • Communication

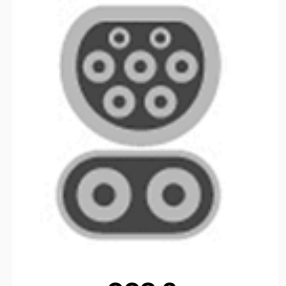
|                      |  |
|----------------------|--|
| External             | WiFi, RS485, LAN/4G + OCPPV1.6                               |
| Metering and Billing | Class 1 Energy Metering                                      |
| Charging Operation   | Autocharge / RFID Card / QR Code / Mobile CMS App (OCPPV1.6) |

### • Protection/Safety

|                          |   |
|--------------------------|---|
| Input/ Output protection | Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection Grounding protection, Surge protection, Over temperature, Relay welding protection & Reverse polarity protection                   |
| Mechanical Protection    | Enclosure Mechanical Strength IK-08, IP55 for Outdoor use, Flame Retardant Grade UL94 V-0, Anti-Theft Mounting Design, Safety Lock  |
| Mounting                 | Wall/ Stand Moun  |
| Charging Cable           | High quality cable Silver-plated power contacts, Replaceable mating frame and two temperature sensors for both the power contacts (DC+ and DC-) Mating Cycles > 10,000 (Optional Upgrade>30,000 Cycles), Cable Management System (Optional) |
| Push Button              | Mushroom Push Button for Emergency Stop   |
| Cooling                  | Forced Air Cooling  |

### • Certifications

|               |                                       |
|---------------|---------------------------------------|
| As per        | IEC 61851 / AIS 138 Part-1 / IS-17017 |
| Certification | ARAI, CE                              |



CCS 2  
CONNECTOR TYPE

