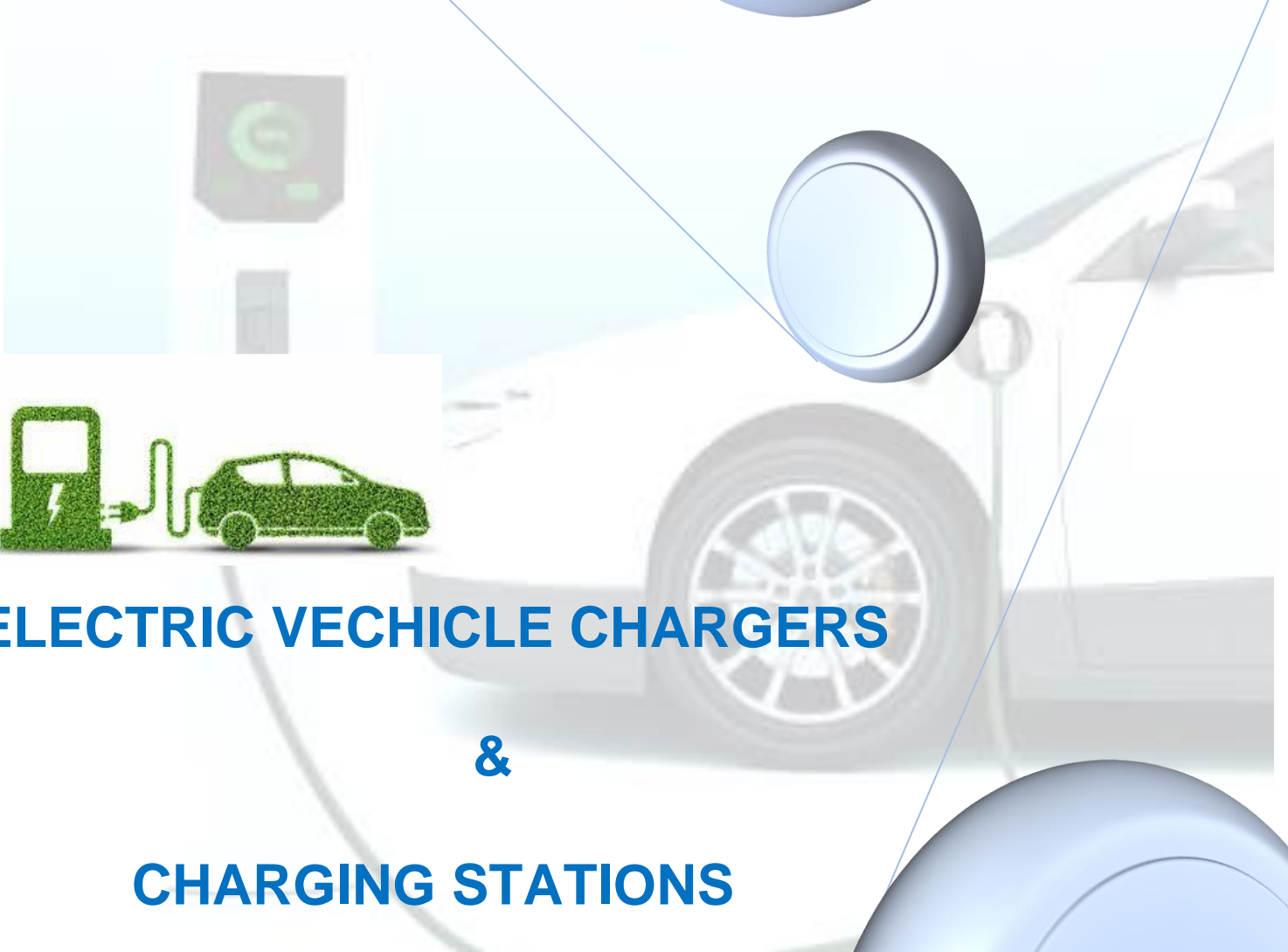


**CHATURA**  
**ENERGIES**  
The Power of Nature



**ELECTRIC VECHICLE CHARGERS**  
**&**  
**CHARGING STATIONS**





# EV AC CHARGING STATION

(For Home & Public Location Charging)

## Product Description

The Electric Vehicle Charger is a safe and reliable individual charging point to charge your electric vehicles with a compact, space-saving, modern and attractive design. It is the perfect EV charging Station for your home, company, fleets and public parking facilities.

Available in 4 different power configurations up to 22kW and possibility of having a choice of fixed cable for user comfort with plug (Type-2) or socket (Type-2).

The user friendly EV charger uses TFT LCD screen to present its operation status at each moment. Each EV Charger can be integrated in a charging infrastructure network and its operation and status is controlled by the central management system.

Multiple Public Chargers in one location can be integrated in the network with only one internet communication connection.



Charging Cloud



Scan QR



Smart Card



Remote Controlled



User friendly



IP54 Protection

## Applications

- Private / Public Parking
- Super Market and Shopping Centers
- Taxi and Rent a car fleets
- Service, Commercial and Distribution fleets EV Dealers and
- Service Workshop

## Overview

- Charge all Mode-3 Vehicles
- Single/Double AC output from 3.4kW to 22kW Socket or fixed cable
- Safe and intuitive to use TFT Color display
- Indoor or outdoor installation RCD included
- Network integration (OCPP1.6/2.0)
- Built-in communication (4G, LAN, Wi-Fi/GSM)

## AC -Charger Technical Specifications

Model - 3.6KW

### AC Nominal Input

Input Voltage	230V $\pm$ 10%
Input Current	16A
Frequency	50 Hz $\pm$ 5
Wire and Lines	1 Phase + Neutral + PE
Input Power	3.6 kW

### AC Nominal Output

Output Voltage	230V $\pm$ 10%
Output Current	16A
Over Current	20A
RCD	30 mA (Type A)/ 6mA DC Leakage Current (Optional)
Output Power	3.6 kW

### General Specifications

Equipment	Single or Dual output equipment
Mounting	Pedestal or Wall Mount
Communication with EV	Pilot Signal according to IEC61851
Connector or Gun	IEC62196 Type-2
Display	Customizable
User Authentication	ISO/IEC 14443 A RFID or QR Code for user Authentication
Communication with Server	3G/4G   LAN   Wi-Fi
Communication Protocols	OCPP 1.6 (Upgradable)
Protection and safety	Over Voltage, Under Voltage, Surge Voltage, Short Circuit, Over Temperature and Leakage current
Charging option	Grid Responsive Metering with 1% Accuracy
Visual Indication	Presence of Input Supply, Error Indicators, State of Charge
Installation Place	Indoor/Outdoor
Altitude	upto 2000 m
Operating Temperature	-10° C to 55° C
Storage Temperature	-20° C to 80° C
Humidity	5% to 95%
Weight (Kg)	10Kg (Approx.)

\*\*Above Specification is specially Made for Indian Standard

## AC-Fast Charger Technical Specifications

Model - AC Charger 7.2KW

### AC Nominal Input

Input Voltage	230V $\pm$ 10%
Input Current	32A
Frequency	50 Hz $\pm$ 5
Wire and Lines	1 Phase + Neutral + PE
Input Power	7.2 kW

### AC Nominal Output

Output Voltage	230V $\pm$ 10%
Output Current	32A
Over Current	40A
RCD	30 mA (Type A)/ 6mA DC Leakage Current (Optional)
Output Power	7.2 kW

### General Specifications

Equipment	Single or Dual output equipment
Mounting	Pedestal or Wall Mount
Communication with EV	Pilot Signal according to IEC61851
Connector or Gun	IEC62196 Type-2
Display	Customizable
User Authentication	ISO/IEC 14443 A RFID or QR Code for user Authentication
Communication with Server	3G/4G   LAN   Wi-Fi
Communication Protocols	OCPP 1.6 (Upgradable)
Protection and safety	Over Voltage, Under Voltage, Surge Voltage, Short Circuit, Over Temperature and Leakage current
Charging option	Grid Responsive Metering with 1% Accuracy
Visual Indication	Presence of Input Supply, Error Indicators, State of Charge
Installation Place	Indoor/Outdoor
Altitude	upto 2000 m
Operating Temperature	-10 °C to 55 °C
Storage Temperature	-20 °C to 80 °C
Humidity	5% to 95%
Weight (Kg)	10Kg-15 (Approx.)

\*\*Above Specification is specially Made for Indian Standard



## AC Fast Charger Technical Specifications

Model - AC Charger-11KW

### AC Nominal Input

Input Voltage	415V $\pm$ 10%
Input Current	16A
Frequency	50 Hz $\pm$ 5
Wire and Lines	3 Phase + Neutral + PE
Input Power	11 kW

### AC Nominal Output

Output Voltage	415V $\pm$ 10%
Output Current	16A
Over Current	20A
RCD	30 mA (Type A)/ 6mA DC Leakage Current (Optional)
Output Power	11 kW

### General Specifications

Equipment	Single or Dual output equipment
Mounting	Pedestal or Wall Mount
Communication with EV	Pilot Signal according to IEC61851
Connector or Gun	IEC62196 Type-2
Display	Customizable
User Authentication	ISO/IEC 14443 A RFID or QR Code for user Authentication
Communication with Server	3G/4G   LAN   Wi-Fi
Communication Protocols	OCPP 1.6 (Upgradable)
Protection and safety	Over Voltage, Under Voltage, Surge Voltage, Short Circuit, Over Temperature and Leakage current
Charging option	Grid Responsive Metering with 1% Accuracy
Visual Indication	Presence of Input Supply, Error Indicators, State of Charge
Installation Place	Indoor/Outdoor
Altitude	upto 2000 m
Operating Temperature	-10 °C to 55 °C
Storage Temperature	-20 °C to 80 °C
Humidity	5% to 95%
Weight (Kg)	10Kg -15Kg(Approx.)

\*\*Above Specification is specially Made for Indian Standard

## AC Fast Charger Technical Specifications

Model - AC Charger-22KW

### AC Nominal Input

Input Voltage	415V $\pm$ 10%
Input Current	32A
Frequency	50 Hz $\pm$ 5
Wire and Lines	3 Phase + Neutral + PE
Input Power	22 kW

### AC Nominal Output

Output Voltage	415V $\pm$ 10%
Output Current	32A
Over Current	40A
RCD	30 mA (Type A)/ 6mA DC Leakage Current (Optional)
Output Power	22 kW

### General Specifications

Equipment	Single or Dual output equipment
Mounting	Pedestal or Wall Mount
Communication with EV	Pilot Signal according to IEC61851
Connector or Gun	IEC62196 Type-2
Display	Customizable
User Authentication	ISO/IEC 14443 A RFID or QR Code for user Authentication
Communication with Server	3G/4G   LAN   Wi-Fi
Communication Protocols	OCPP 1.6 (Upgradable)
Protection and safety	Over Voltage, Under Voltage, Surge Voltage, Short Circuit, Over Temperature and Leakage current
Charging option	Grid Responsive Metering with 1% Accuracy
Visual Indication	Presence of Input Supply, Error Indicators, State of Charge
Installation Place	Indoor/Outdoor
Altitude	upto 2000 m
Operating Temperature	-10 °C to 55 °C
Storage Temperature	-20 °C to 80 °C
Humidity	5% to 95%
Weight (Kg)	10Kg-15Kg (Approx.)

\*\*Above Specification is specially Made for Indian Standard



# DC FAST CHARGING STATION (30-150kW)

## Product Description

DC Charging systems are an attractive choice because they offer much faster charging than a standard AC EV charger which many EV drivers possess.

High-power DC chargers up to 350 kW offer fast-charging opportunities along the highway for quick top-ups, but chargers up to 150 kW are the perfect solution for daily use in cities, filling the gap between residential and highway applications.

Fast EV charging up to 150 kW is becoming the preferred choice for urban areas and commercial applications because of its modular design and resulting scalability options. A single 50-kW unit can charge for 200 km in about 48 minutes, while stacking three of these 50-kW subunits or five 30-kW subunits into a 150-kW charger could cost-efficiently provide the same charge in about 16 minutes. While both options may take too long for a driver stretching their legs at a rest stop, they provide the perfect amount of time to buy some groceries or have a meal, giving drivers the opportunity to quickly and conveniently top up their battery throughout the day.

## Applications

- Service station operators
- Public corridor charging along the highways
- Busy urban areas
- Commercial fleet operators
- EV Infrastructure operators and EVSE providers



## Features

- Built-in safety measures
- User friendly interface
- Flexible multi-protocol design
- TYPE2 AC Charger 22kw/43kw Optional
- OCPP 1.6 or 2.0 Optional
- WIFI, 4G, GSM Optional
- Durable enclosure
- Wide temperature range: -25°C to +65°C
- Data management and metering options
- Tap RIFD card to start charging
- Charge modules inserted easily

# PANEL OVERVIEW



30Kw - 150Kw



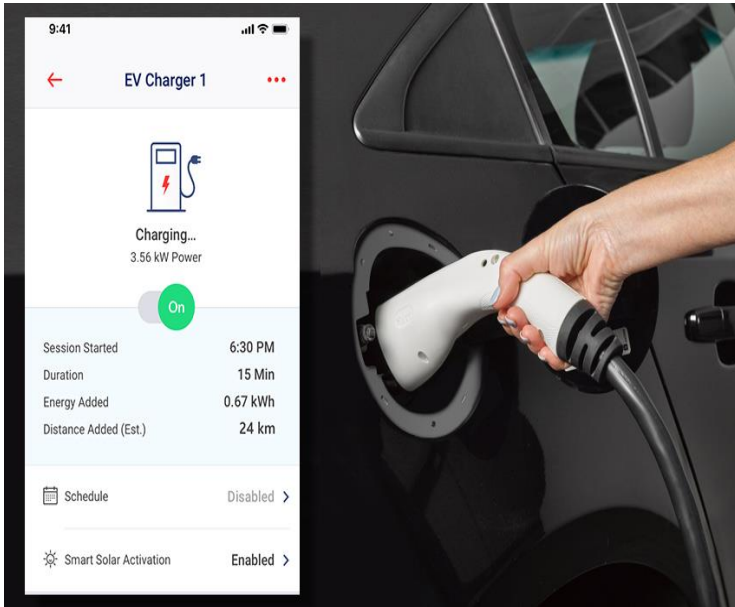


## Technical Specifications

Power Output	DC Output Voltage Running	50-500 Vdc/150-750 Vdc/150-1000 Vdc
	Output Current	100A Max
	Power Rating	30-150kW
	Connector	CHAdEMO / GB/ T / CCS2 / Type 2 Socket
	Number of Connector	1 (or) 2
	Efficiency	≥95%
Power Input	Input Voltage	3Φ415V (± 6% and -10%) 3Phase, 5 Wire AC System (3Ph+N+E)
	Input Frequency	50Hz ± 5Hz
	THD	≤ 5% @ Nominal Voltage
	Power Factor	≥ 0.99 (Full Load)
Protection & Safety	Safety Parameters	Over Current, Under Voltage, Over Voltage, Surge Protection, Short Circuit, Over Temperature
User Interface & Control	Display	7 or 10 inch LCD Touch Screen
	Support Language	English
	Push Button	Emergency Stop Switch (Red)
	Visual Indication	Error Indicator; Presence of Input Supply, State of Charger Indicator
	User Authentication	ISO/IEC 14443A RFID/QR Code Customizable
Online Payments	Payment	Smart Card, QR/OTP/APP Server based
Communication	B/ W EVSE and Vehicle	CAN(CHAdEMO/GB/ T), PLC (CCS2)
	B/ W Charger and Central Server	OCPP V 1.6 or 2.0 (Optional) Ethernet, Wi-Fi, GSM/GPS/GPRS Modem & Bluetooth
Mechanical	Ingress Protection	IP54
	Cooling	Forced Air Cooling
	Charging Cable Length	5Meters / Customizable
Environmental	Operating Temperature	-20°C to 75° C (derating from 50°C)
	Humidity (Non-Considering)	0 to 95%
	Storage Temperature	-20°C to 80°C
	Altitude	upto 3000 Meters

\*\*subject to change without prior notice

# Smart Software for station managers



**Real-time monitoring, maintenance, and troubleshooting of chargers**



**Dynamic load management capabilities**



**Customer-centric UI**



**Revenue generation and Energy Reports**



**ROI Analytics**



**OCPP Compliant**



**Partner management**



**For More Details:**

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