

**EO2 EVSE PRIVATE LIMITED**

**ELECTRIC VEHICLE CHARGING STATION**

# **E-MOBILITY SECTOR**





## EO2-UK SMART EV CHARGER

# ABOUT EO2

## START UP COMPANY

**E**O2 is a smart EV Charging Station brand. By developing state-of-art electric vehicle charging system for homes, businesses and industries. It is the voice of the EV charging infrastructure industry. EO2 was formed to accelerate the switch to zero emission mobility and ensure a seamless driver experience with access to high quality, readily available charging infrastructure across India.

EO2 welcomes the opportunity to provide input into the roadmap for the sustainable and smart mobility strategy. The strategy will play a key role in contributing to the India's Green deal and economic recovery plan. It must put the India's mobility sector firmly on the path towards climate-neutrality and economic growth.

EO2 is a trading name of Map Products Ltd, A company registered in England and Wales and its registered under Intellectual Property India, Trade mark no 4290763 date 11/9/2019 under class 9. Map Products Ltd, UK and Map Products Pvt Ltd, India are associate company of EO2 Evse Private Limited.

EO2 Evse Pvt Ltd, India is a start up company which manufacture EV chargers and it's mobile application.



## SMART EV CHARGER



# MISSION

WE AIM TO EXCEED BEYOND OUR COMMITMENT AND BEING INNOVATION AND TENACITY IN THE FIELD OF EVSE.

WE MAKE SIMPLE AND RELIABLE CHARGER FOR OEMS.

MAKE LARGEST MANUFACTURING FACILITY FOR ELECTRIC VEHICLE CHARGERS.

# VISION

TRANSPORT IS VERY MUCH RESPONSIBLE FOR THE INDIA'S TOTAL CO<sub>2</sub> EMISSION OF WHICH NEARLY 90% COMES FROM ROAD TRANSPORTATION. THE STRATEGY NEEDS TO ENSURE A STRONG FOCUS ON ZERO EMISSION MOBILITY IN ROAD TRANSPORT AND FOSTER THE OPPORTUNITIES OFFERED BY ELECTRIFICATION, CLEAN AND SMART ENERGY, DIGITALIZATION AND IN ORDER TO DELIVER ON THE AIMS OF THE INDIAN GREEN DEAL.



# OUR ADVANTAGE

MANUFACTURING

PROFESSIONAL

COST EFFECTIVE

UNIQUE CONTROLLER DESIGN

MOBILE APPLICATION FOR HOME CHARGER

VARIETY OF CHARGERS

E COMMERCE WEBSITE

INSTALLATION TEAM

OPERATIONAL TEAM

MOBILE APPLICATION FOR PUBLIC CHARGING STATION



OWN BRANDS

 EO2

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# PRODUCT PROFILE

All Type of AC EV Chargers.

30kw and 60kw DC wall charging stations.

EV Charger components.

Wireless chargers.

Services:

EV charging station installation and operation.

Ev charging station mobile application.

EVSE e-commerce website.

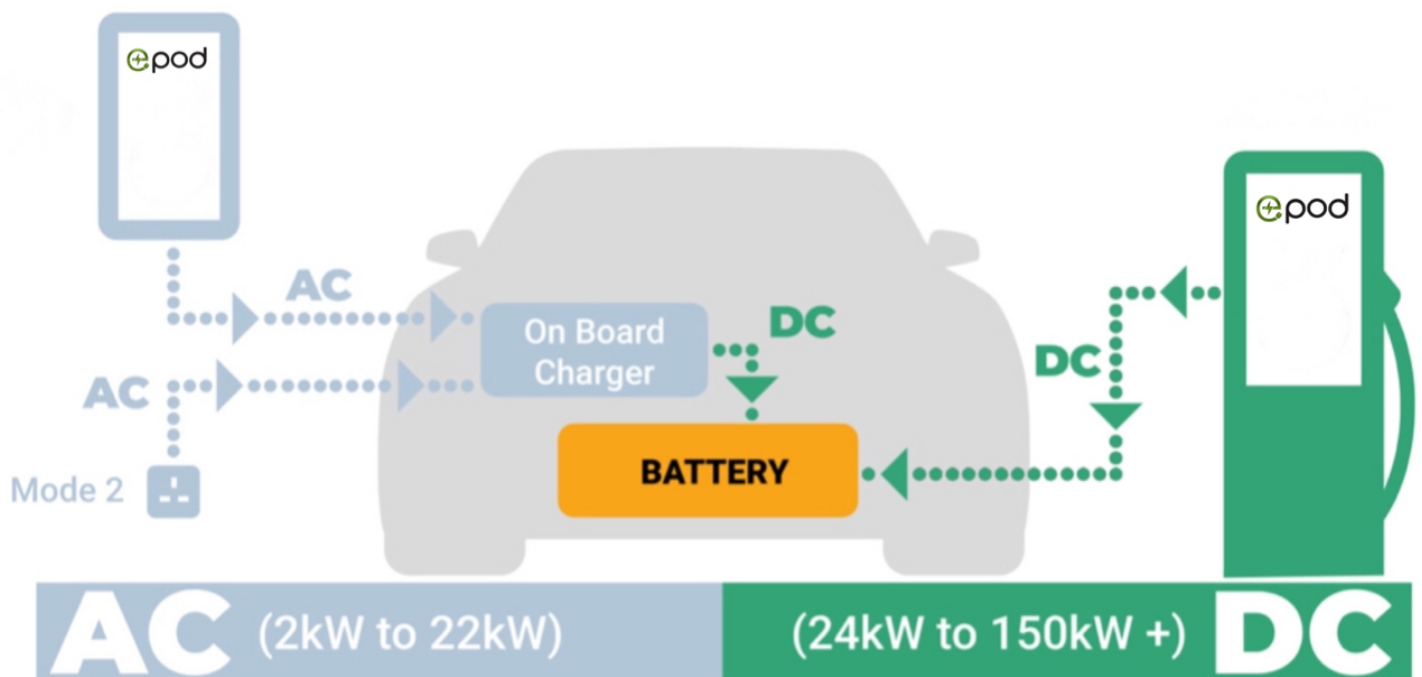


# CHARGER BASIC



## EV CHARGING BASICS

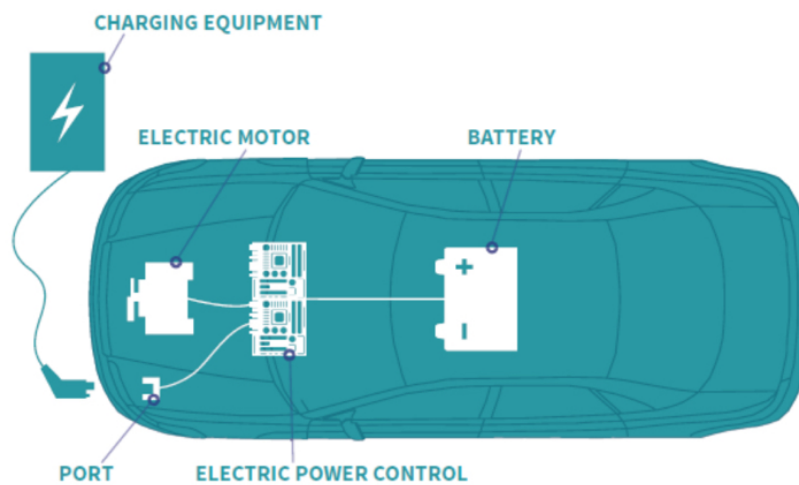
EV charging stations are primarily defined by the power(kw)they can produce and therefore what speed they are capable of charging an EV.While connector types are also a key issue,most EV are equipped with two or more cables to allow the use of chargers with different connector outlets.



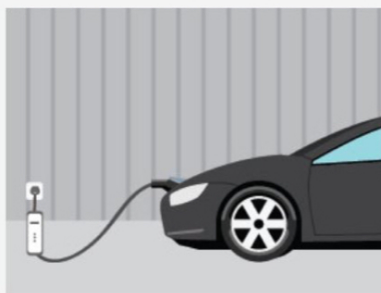


Electric vehicle owners have multiple options when it comes to charging their vehicle. Charging stations are often categorized into three levels: Level 1, Level 2 and DC Fast Charge.

## BATTERY-ELECTRIC VEHICLE



### AC Level 1



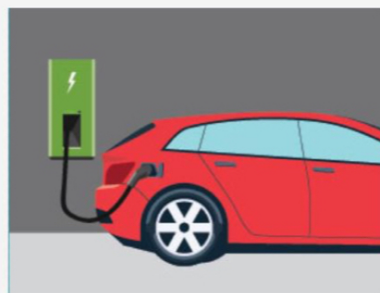
**VOLTAGE:**  
120V 1-Phase AC

**AMPS:**  
12-16 Amps

**CHARGING LOADS:**  
1.4 to 1.9 kW

**CHARGE TIME FOR VEHICLE:**  
3-5 Miles of Range Per Hour

### AC Level 2



**VOLTAGE:**  
208V or 240 V 1-Phase AC

**AMPS:**  
12-80 Amps (Typ. 32 Amps)

**CHARGING LOADS:**  
2.5 to 19.2 kW (Typ. 6.6 kW)

**CHARGE TIME FOR VEHICLE:**  
10-20 Miles of Range Per Hour

### DC Fast Charge



**VOLTAGE:**  
208V or 480V 3-Phase AC

**AMPS:**  
<200 Amps (Typ. 60 Amps)

**CHARGING LOADS:**  
<150 kW (Typ. 50 kW)

**CHARGE TIME FOR VEHICLE:**  
80% Charge in <30 Minutes





# TYPE OF CONNECTORS

AC					
	J1772 (Type 1)	J1772 (Type 1)	Mennekes (Type 2)	GB/T	
DC					
	CCS1	CHAdeMO	CCS2	GB/T	



Type 2 connector covers almost the entire spectrum of AC chargers for the Indian market.



# WHY LEVEL 2 CHARGER IS BETTER :

Avoid using fast charging-Automakers know that one of the keys to mass EV adoption is the ability to change as quickly as filling a gas tank,so they're timid about warning against high-voltage DC charging and indeed it's fine for recharging during infrequent long trips or for when a surprise appointment depletes your strategic 80% overnight charge.

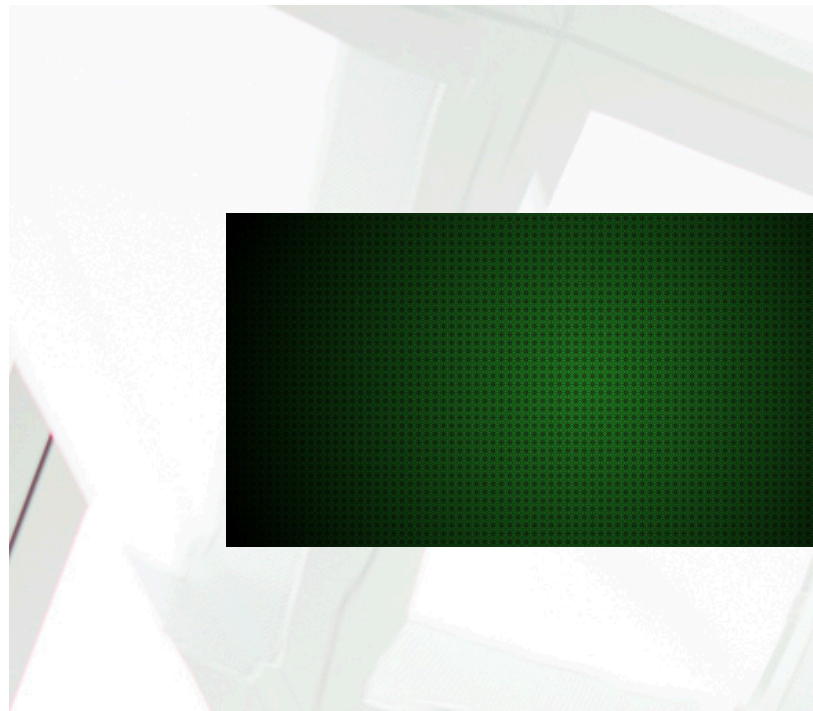
DC fast charger are primarily used in commercial and industrial settings,as they are usually prohibitively expensive and require specialized and powerful equipment to operate.This means that DC Fast Chargers are not available for home installation.

One of the biggest advantage of a level 2 EV Charging station over level 1 charger is greatly reduced charging times.of course,this depends on the type of electric car you own and the battery it has but generally you can fully charge a vehicle in 4 to 5 hours.Operation and maintenance of AC EV Chargers are less then DC Chargers.



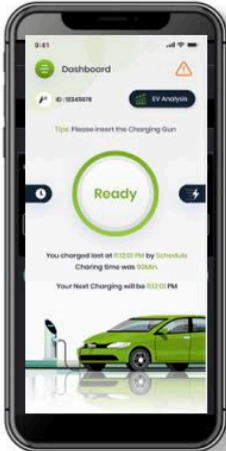
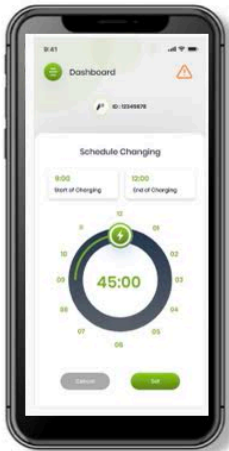
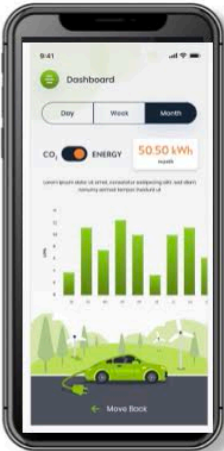
# HIGHLIGHTS OF PERSONAL CHARGER

- 1.Compact take less space
- 2.User friendly thats why easy to operate
- 3.Peace of mind because controller comes with **10 year warranty**
- 4.Plug and play charger
- 5.Led indications
- 6.User friendly mobile application
- 7.Easy to install
- 8.Design as per IEC standards
- 9.**Power load is adjustable**
- 10.Scheduling is possible
- 11.On/off with mobile off possible
- 12.Auto off when fully charged
- 13.Varieties in enclosure design
- 14.Emergency stop
- 15.OCPP/WiFi/Bluetooth





# PERSONAL CHARGER MOBILE APPLICATION



# HIGHLIGHTS OF PUBLIC CHARGING STATION



**7.4 KW DUAL**

**TYPE 2 CONNECTOR**

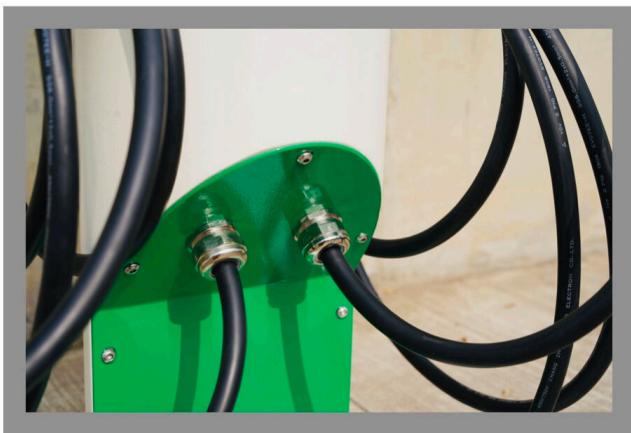
**AC EV CHARGING STATION**

EO2 15kw AC EV Dual Gun Charging Station is India's first in its type which design was awarded as India's best innovative charger design 2021.

**Unmanned, operate with smart mobile application**

**Require two car parking space,**

**Level 2 charging station**



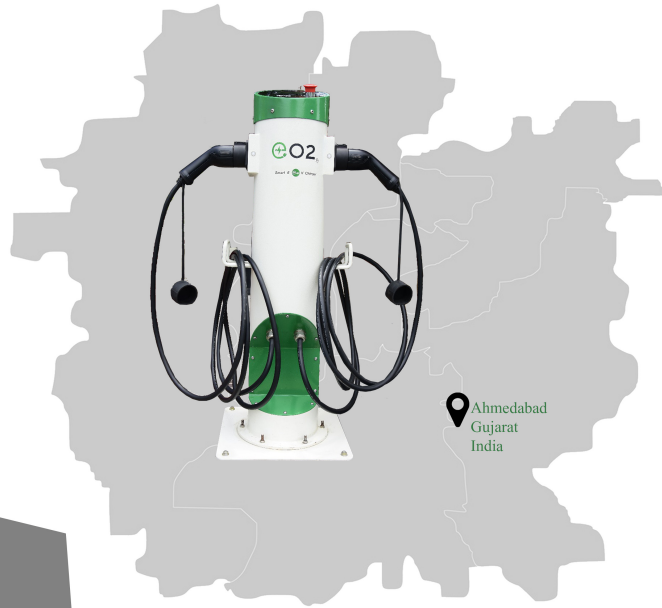






## India's First

7.4 KW AC Dual Type 2 Connector  
EV Charging Station



### Certificate OF APPRECIATION

THIS CERTIFICATE PROUDLY PRESENTED TO

**Map Products Pvt Ltd**

In Category of

**MOST INNOVATIVE EV CHARGER DESIGN - RESIDENTIAL/PUBLIC**

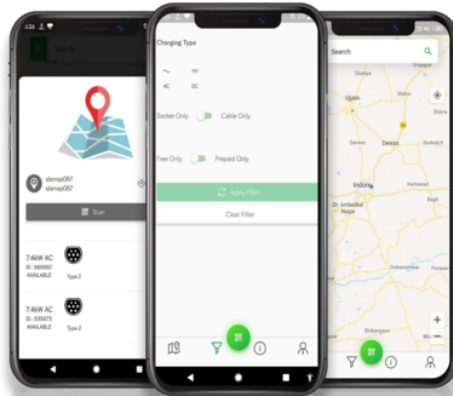


**EMobility+**





## PUBLIC CHARGING STATION MOBILE APPLICATION



The Mobile application supports a list of features, including reservations, online payments, an offline wallet system, filters, real-time charging status, and a lot more.



- Android and iOS support
- Real-time monitoring of charging session.
- Payments integration with UPI, credit, and online payments.

# EV CHARGING MANAGEMENT SOLUTIONS



## Features



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



# HIGHLIGHTS OF BHARAT AC 001



## CS Model 4

10 KW connected power load

3.3 KW three Socket

LED Light/ display screen

Emergency Stop Button

Mobile Application/RFID Card

## 2/3 WHEELERS

# CHARGING STATION

# ACCESSORIES



## ACCESSORISES



An EVSE Company

MAP Products Ltd- UK  
MAP Products Pvt Ltd- INDIA

## Charge Your Gaadi !!





# CONTACT

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Smart E  V Charger