



*Manufacturer and EV Charging Solution Provider*

Accelerating the world's evolution to

# **ELECTRIC MOBILITY**



# ABOUT US

## We Provide



Intelligent and smart design of Type 2 AC chargers and DC fast chargers for all types of electric vehicle.



Innovative, User-friendly, Cost effective and hassle free "plug & play" EV Charging Solutions.



Integrated with a Cloud-based Management System and Mobile Application



Dedicated Contact Centre support and Remote Diagnostic Assistance



Experience secure charging control



ARAI Standard\*



**DC CHARGER**  
dual connector



**3.3kW CHARGE POINT**  
Single connector

2 / 3 / 4 WHEELER



**AC CHARGER**  
Single connector

4 WHEELER



**AC CHARGER**  
Dual connector

4 WHEELER



**AC CHARGER**  
Bharat AC 001

2 / 3 / 4 WHEELER



**AC CHARGER**  
Hybrid

2 / 3 / 4 WHEELER



**DC CHARGER**  
Dual connector

4 WHEELER

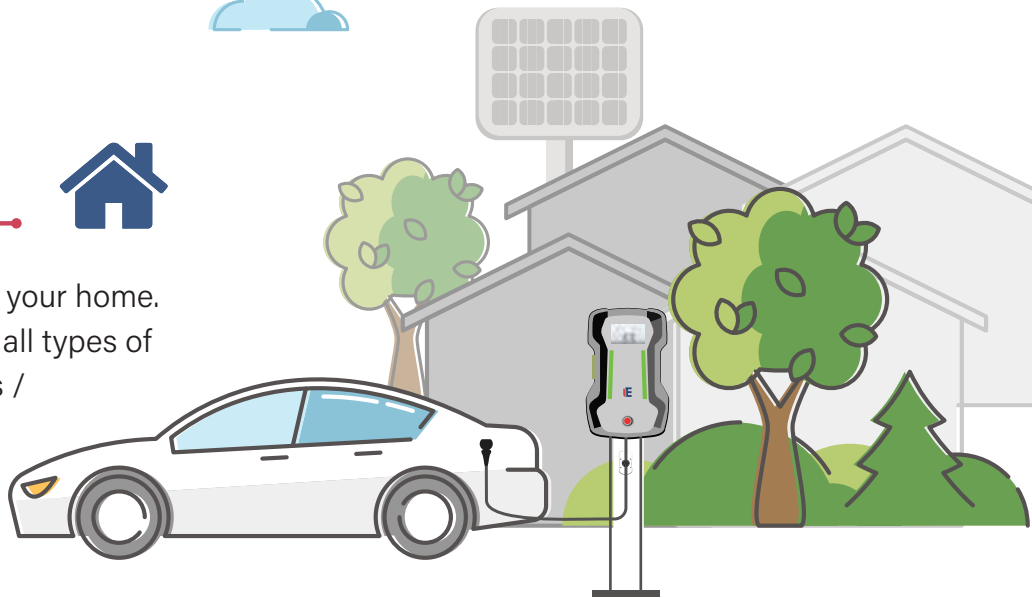


# Application

## Home/Apartment/ Community Housing

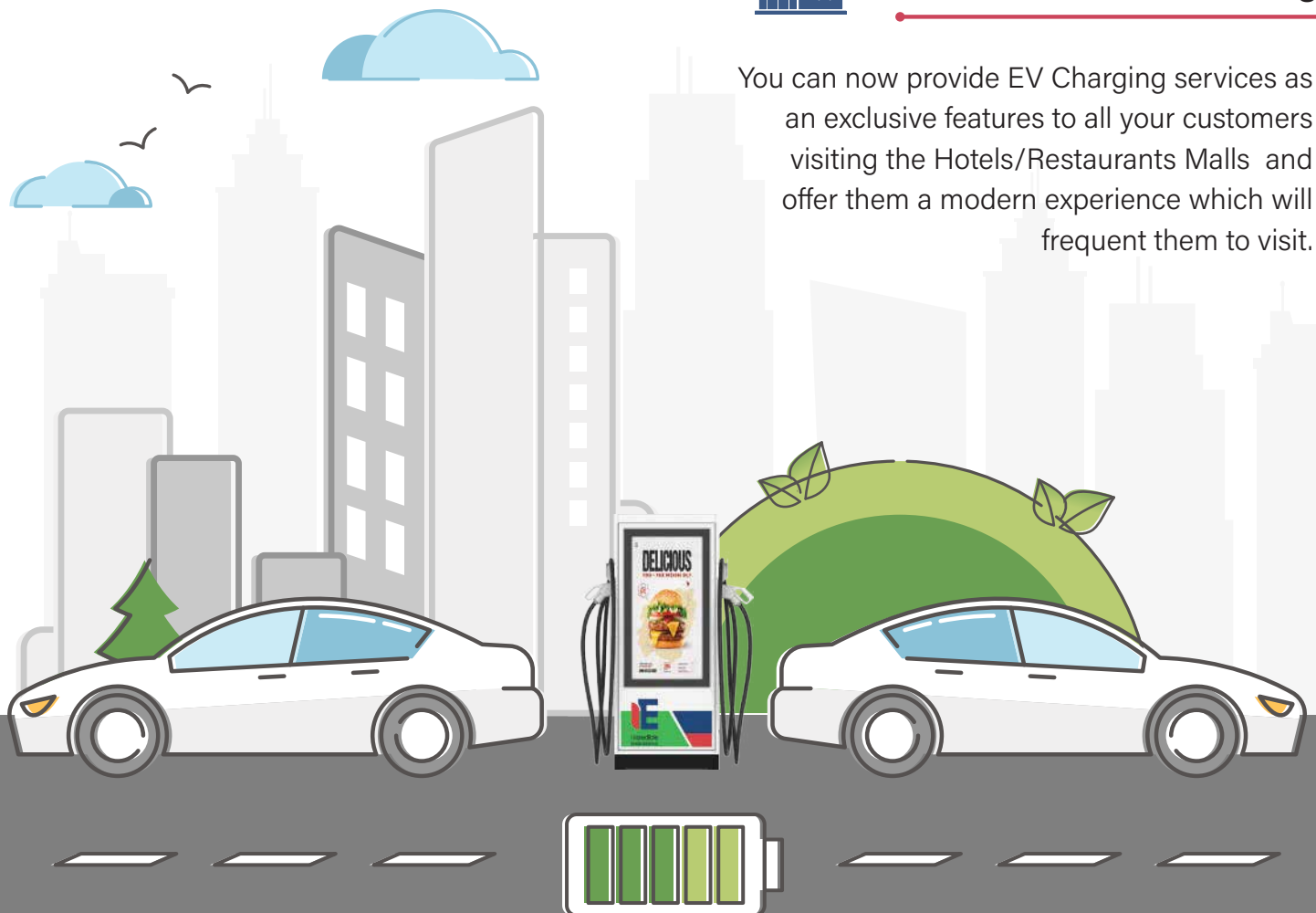


Charge your EV from the luxury of your home. Hassle-free charging solutions for all types of Residential Buildings / Apartments / Community housing. Customize to suit your needs.



## Hotels / Restaurants/ Malls / Public Car Parking

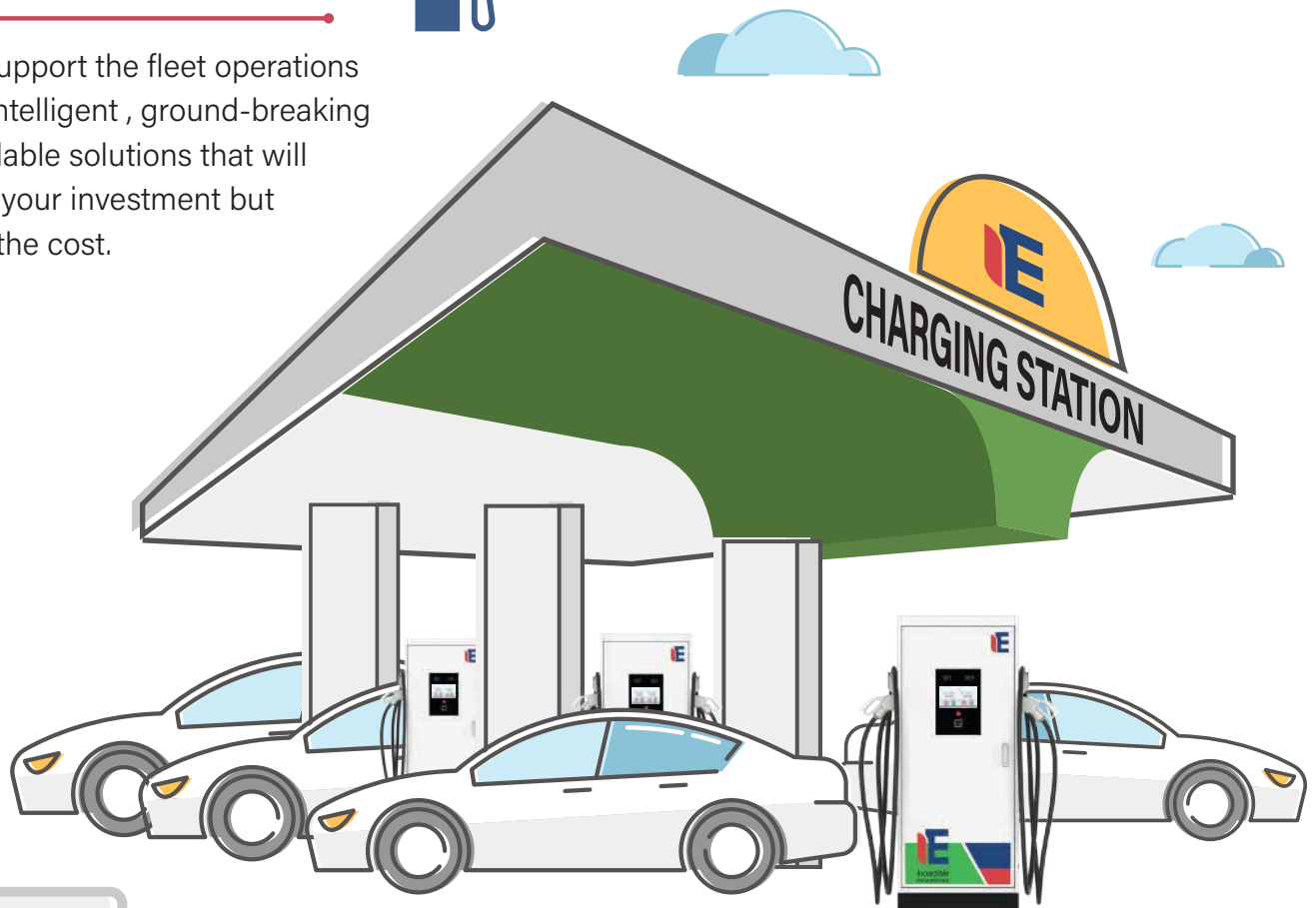
You can now provide EV Charging services as an exclusive features to all your customers visiting the Hotels/Restaurants Malls and offer them a modern experience which will frequent them to visit.



## Fleets/Public Charging Stations

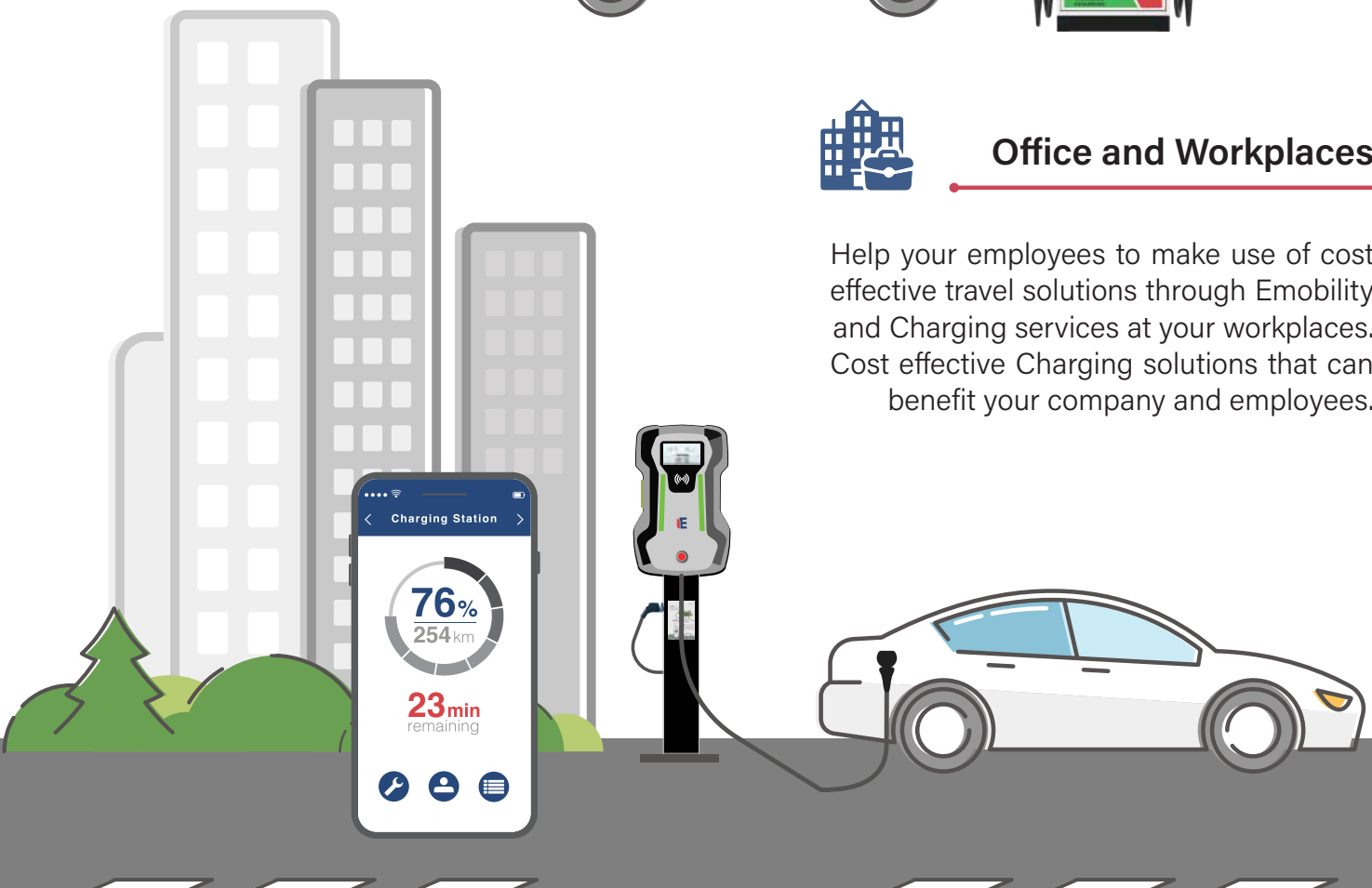


You can support the fleet operations with our intelligent, ground-breaking and affordable solutions that will maximise your investment but minimize the cost.



## Office and Workplaces

Help your employees to make use of cost effective travel solutions through Emobility and Charging services at your workplaces. Cost effective Charging solutions that can benefit your company and employees.



# AC CHARGER

## Type 2 AC Fast Charger



- ⚡ Single/Dual connector output, "plug and play" feature makes it best suitable for EV charging.
- ⚡ It provides EV users with quality, security and user friendly charging experience.
- ⚡ Our High-performance charging control board is compatible with all kinds of EV charging.
- ⚡ Offering Industrial Standard RCD CT to ensure safety of the EV and EVSE.
- ⚡ In compliance with IEC 61851 Type-2.
- ⚡ OCPP can be enabled to suit the requirement.

SPECIFICATIONS	3.3kW-SOLO CONNECTOR	7.4 kW-SOLO CONNECTOR
Charging Sessions	1 AC Session	1 AC Session
Environment of use	Indoor/Outdoor	Indoor/Outdoor
Input Voltage	220 VAC+/- 10% Single Phase	220 VAC+/- 10% Single Phase
AC Input Connection	P+N+PE	P+N+PE
Frequency	50 Hz	50 Hz
AC Output Current	16A	32A
Maximum Output Power	3.3kW	7.4 kW
Connector Type	IEC 60309	Type 2
Number of Connector	1	1
Cable Length	--	5 meters
Protection	Overcurrent, Overvoltage, Under voltage, Short Circuit	Overcurrent, Overvoltage, Undervoltage, Surge Protection, ground fault including DC residual current protection
Display	--	4.3" Graphical LCD
Push Button	--	Emergency Stop
Visual Indication LED's	Presence of input supply	Presence of input supply, Error indicator, Status of Charge
Mounting Options	Wall	Wall or Floor using a pedestal
User Authentication	Using Mobile Application / QR Code	Using Mobile Application / QR Code / RFID
Communication charger and CMS	OCPP 1.6 & Wi-Fi / GSM(2G, 3G, 4G)	OCPP 1.6 & Wi-Fi / GSM(2G, 3G, 4G)

## Key Features:

- ⚡ Fault Indication and Emergency button ensure the security during operation.
- ⚡ Easy to install and use
- ⚡ Compact and contemporary design
- ⚡ Graphical LCD display for Energy consumption and status of charge
- ⚡ Status Indication LED's
- ⚡ Real time Energy measurement



### 22 kW-SOLO CONNECTOR

1 AC Session
Indoor/Outdoor
415 VAC+/- 10% Three Phase
3P+N+PE
50 Hz
32A in Each Phase
22kW
Type 2
1
5 meters
Overcurrent, Overvoltage, Undervoltage, Surge Protection, ground fault including DC residual current protection
4.3" Graphical LCD Display
Emergency Stop
Presence of input supply, Error indicator, Status of Charge
Wall or Floor using a pedestal
Using Mobile Application / QR Code / RFID

OCPP 1.6 & Wi-Fi / GSM(2G, 3G, 4G)

### 7kW-TWIN CONNECTORS

2 AC Sessions
Indoor/Outdoor
415 VAC+/- 10% Three Phase
3P+N+PE
50 Hz
32A x 2 Output
7.4 kW x 2 Output
Type 2
2
5 meters
Overcurrent, Overvoltage, Undervoltage, Surge Protection, ground fault including DC residual current protection
4.3" Graphical LCD Display
Emergency Stop
Presence of input supply, Error indicator, Status of Charge
Wall / Pedestal
Using Mobile Application / QR Code / RFID

OCPP 1.6 & Wi-Fi / GSM(2G, 3G, 4G)

# AC CHARGER

Hybrid Charger & Bharat AC001 Charger 2/3/4/Wheeler

- ⚡ Three output, "plug & Play" feature makes it best suitable for EV charging.
- ⚡ It provides EV users with quality, security and user friendly charging experience.
- ⚡ Our high-performance charging control board is compatible with all kinds of EV charging.
- ⚡ Ensures safety of EV and EVSE



SPECIFICATIONS	HYBRID CHARGER	BHARAT AC001 CHARGER
Charging Sessions	3 AC Session	3 AC Session
Environment of use	Indoor/Outdoor	Indoor/Outdoor
Input Voltage	415 VAC+/- 10% Three Phase	415 VAC+/- 10% Three Phase
AC Input Connection	3P+N+PE	3P+N+PE
Frequency	50 Hz	50 Hz
AC Output Current	16A X 2(IEC 60309) & 32A X 1(TYPE 2 AC)	16A in each output
Maximum Output Power	3.3kW X2 & 7.4kW X 1 (Type2 AC)	3.3kW in each output
Connector Type	IEC 60309 Industrial Socket & Type 2 AC	IEC 60309 Industrial Socket
Number of Connector	3	3
Cable Length	5 meters	
Protection	Overcurrent, Overvoltage, Undervoltage, Surge Protection, ground fault including DC residual current protection	Overcurrent, Overvoltage, Undervoltage, Surge Protection, ground fault including AC residual current protection
Display	4.3" Graphical LCD Display	4.3" Graphical LCD Display
Push Button	Emergency Stop	Emergency Stop
Visual Indication LED's	Presence of input supply, Error indicator, Status of Charge	Presence of input supply, Error indicator, Status of Charge
Mounting Options	Wall or Floor using a pedestal	Wall or Floor using a pedestal
User Authentication	Using Mobile Application / QR Code / RFID	Using Mobile Application / QR Code / RFID
Communication charger and CMS	OCPP 1.6 & Wi-Fi / GSM(2G, 3G, 4G)	OCPP 1.6 & / Wi-Fi / GSM(2G, 3G, 4G)



# DC CHARGER

## CCS2 DC Fast Charger

Our DC fast chargers are designed for quick, convenient charging of all CCS 2 Compatible electric vehicle models, it's innovative and compact size makes it perfect for public charging station and fleet use.



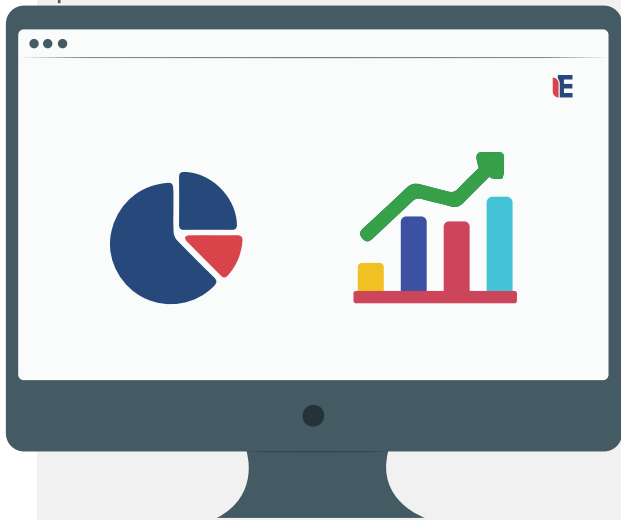
SPECIFICATIONS	DC 30kW CCS2	DC 60kW CCS2
Charging Sessions	1 DC Session	2 DC Session
Environment of use	Indoor / Outdoor	Indoor / Outdoor
Input Voltage	415 VAC +/- 10% Three Phase	415 VAC +/- 10% Three Phase
AC Input Connection	3P + N + PE	3P + N + PE
Frequency	50 Hz	50 Hz
DC Output Voltage	200 - 750 VDC	200 - 750 VDC
IP Protection	IP 54	IP 54
AC Output Current	--	--
Maximum Output Power	30 kW	60 kW
Power Factor	>0.98	>0.98
Efficiency	94%	94%
Connector Type	CCS 2	CCS 2
Number of Connector	1	2
Cable Length	5 Meters	5 Meters
Protection	Over current, over voltage, under voltage, short circuit, Surge Protection, Over Temperature, Ground fault including DC residual current protection.	Over current, over voltage, under voltage, short circuit, Surge Protection, Over Temperature, Ground fault including DC residual current protection.
Display	7" Graphical LCD Touch Display	7" Graphical LCD Touch Display
Push Button	Emergency Stop	Emergency Stop
Visual Indication LED's	Status of charge, Error indication	Status of charge, Error indication
Mounting Options	Pedestal / Wall Mount	Pedestal
User Authentication	Using Mobile Application / QR Code / RFID	Using Mobile Application / QR Code / RFID
Communication charger and CMS	OCPP v 1.6 & Ethernet / Wi-Fi / GSM(2G, 3G, 4G)	OCPP v 1.6 & Ethernet / Wi-Fi / GSM(2G, 3G, 4G)
Cooling System	Forced Air Cooling	Forced Air Cooling

# CMS

## DESKTOP

Our Cloud based management system connects OCPP supported structure with the operation centre and enables real-time monitoring of Charging data that gives end to end solution. It's more suitable for the public charging station and fleets to empower their business.

- ⚡ Realtime Monitoring, Protection and Troubleshooting of Chargers.
- ⚡ Dynamic Load Management Capabilities
- ⚡ Reports on Energy, Revenue generation
- ⚡ Authentication, tariff setup and Analytics
- ⚡ Dashboard



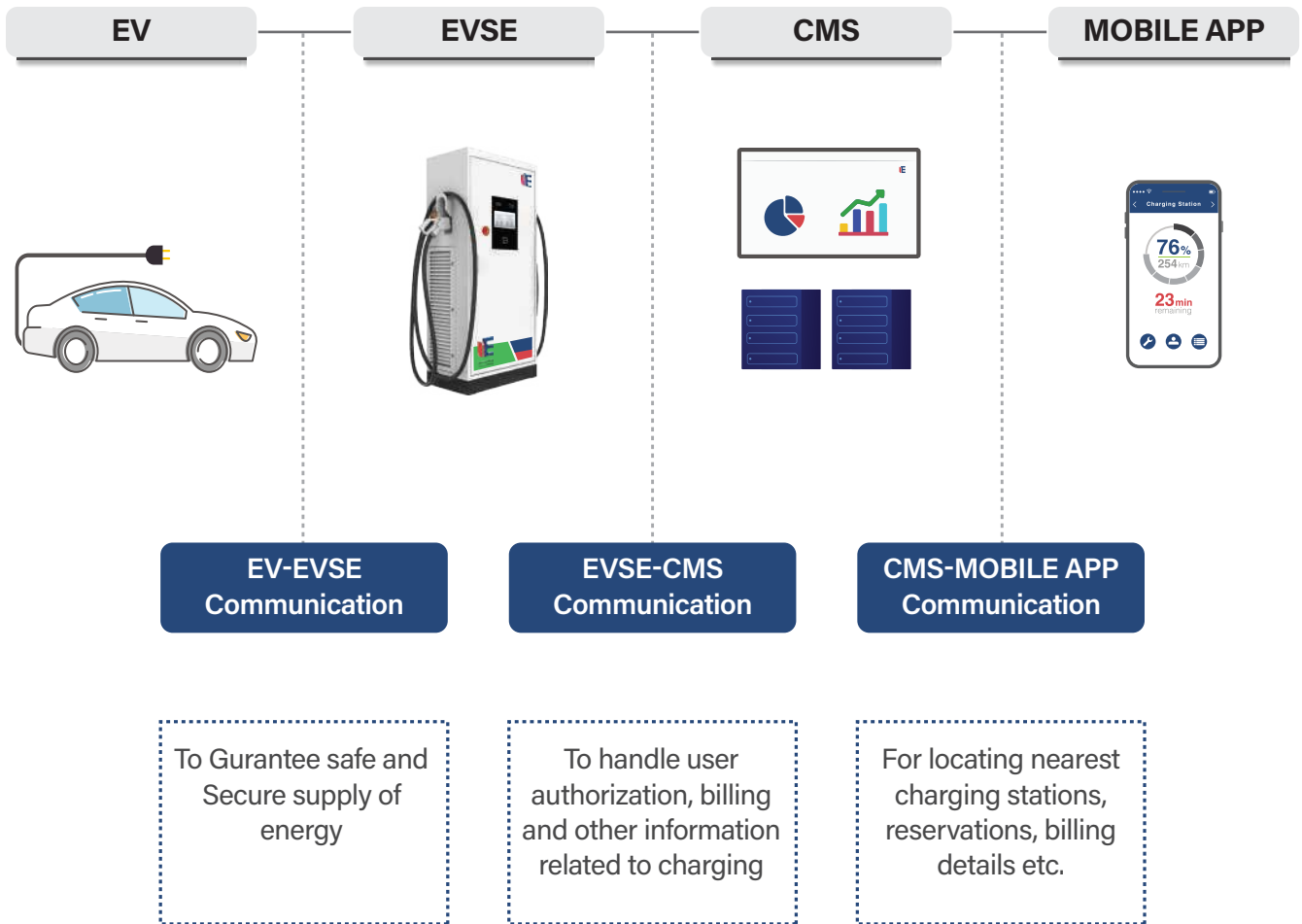
## MOBILE APP

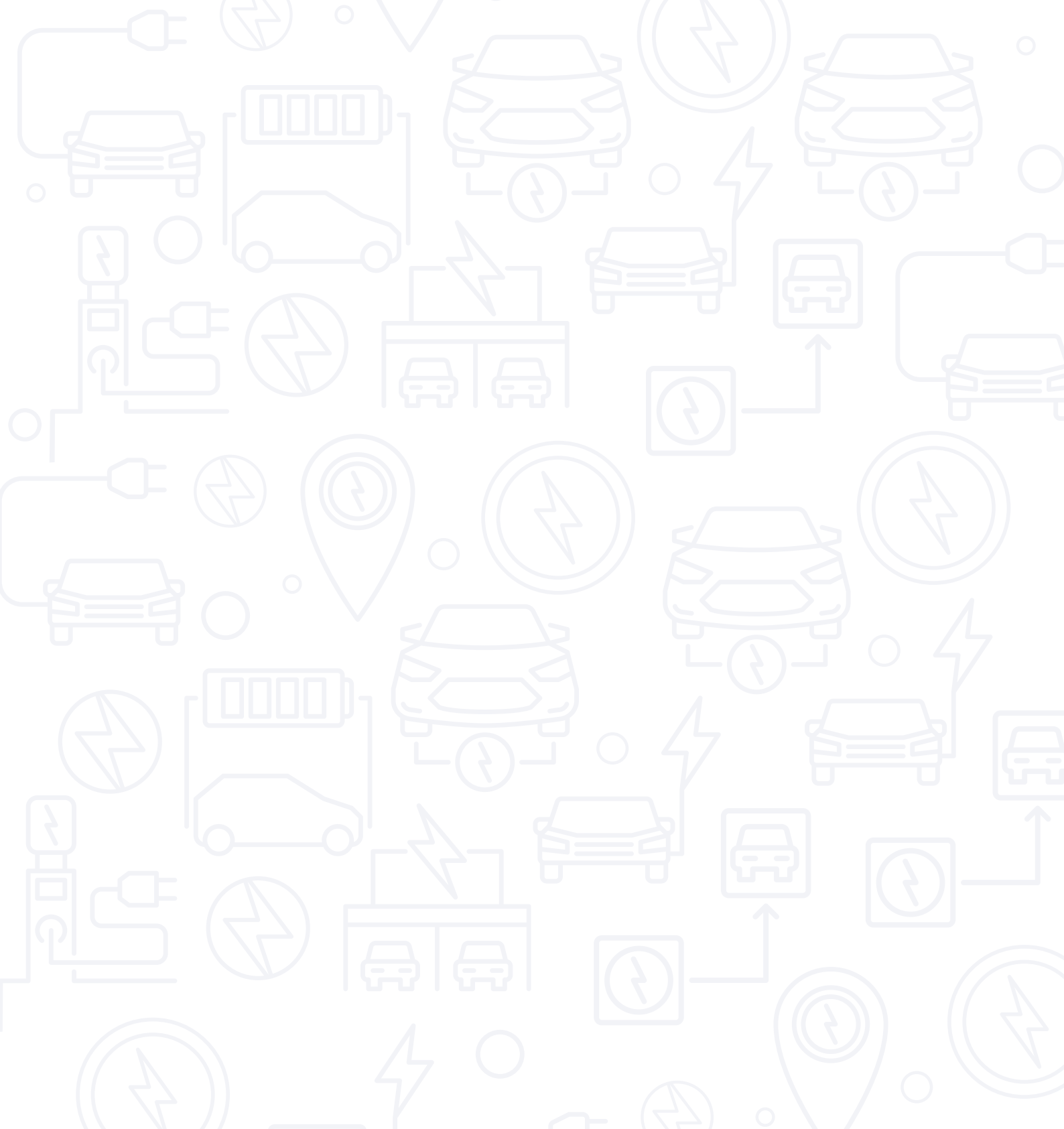
The Mobile Application supports reservations, help navigate to the nearest EV charging Station, online payment ,offline wallet system, real time charging status, to mention a few. With these advanced features end-users will have complete harmony in locating , charging and paying.


- ⚡ Supports Android and iOS
- ⚡ Realtime monitoring during the charging session
- ⚡ Payment Integration
- ⚡ User friendly GUI




# Architecture of EV & Charging infrastructure





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