



**GO ELECTRIC
GO GREEN**



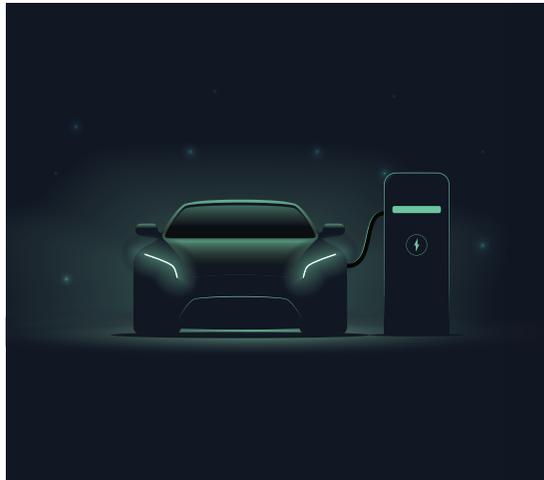
**EV CHARGING
SOLUTIONS**



EV CHARGING SOLUTIONS BY HARMONIZER

Harmonizer, a brand built over the years of experience in the field of power electronics, has been a trusted partner for most of the top companies globally for their power quality needs. With state-of-the-art innovative technology, we are one of the leading companies in the domain of Power Quality/AI/IoT solutions for Industry & Building applications.

Having in-depth understanding of developing complex Power electronics solutions catering to varied and extreme environmental needs, we are now one of the best EV charging solution providers in the industry.



Harmonizer's EV Infrastructure and E-mobility solutions drive has been aggressively focusing on a comprehensive range of clean mobility solutions by "DESIGN-BUILT" concept.



BEST SAFETY STANDARDS



HIGHLY EFFICIENT



USER-FRIENDLY DESIGN



SEAMLESS PAYMENT INTEGRATION



CHEAPER MAINTENANCE



FOR RESIDENTIAL & COMMERCIAL USE

WHY EV STRUCTURE?



No Emission



Energy Efficient



Cheaper to Run & Maintain



WHY EV CHARGING?

-  To promote faster adoption of EVs by ensuring safe, reliable, affordable & accessible charging infrastructure
-  To promote affordable tariff chargeable from EV owners and charging station operators/owners
-  To generate employment or income opportunities for small entrepreneurs
-  To encourage preparedness of electrical distribution system to adopt EV charging infrastructure
-  To support creation of EV charging infrastructure and market for EV charging business

AC v/s DC CHARGING



AC Charging

An AC charger has the converter built inside the car, known as the "on board charger". It converts the AC power coming from the grid into DC and then feeds it into the car's battery.



Direct Charging

A DC charger has the converter inside the charger itself. That means it can feed power directly to the car's battery and doesn't need the on board charger to convert it.



AC CHARGERS

Our AC Charger provides high quality and cost effective electric car charging. It can be used with all AC Type 2 charger compatible vehicles, with output ranging from 3.3kW to 22kW, making them suitable to meet the market demands.

AC TYPE 1 CHARGING STATION

- Supports BEVC-AC001 Specifications
- No communication between charger & BMS
- 3 outputs for charging
- Charging sockets as per IEC60309
- Three Phase
- Cannot be made compatible to cars with AC type 2 charging



AC TYPE 2 CHARGING STATION

- Supports output range of 3.3kW to 22kW
- Communication between charger & BMS
- 1 to 2 outputs for charging
- Charging sockets as per IEC62196-2
- Single Phase/Three Phase
- Can be made compatible to AC001 cars through an adapter



AC CHARGER FEATURES

-  **SMART CHARGING**
Takes care of the grid load & varying charging demand
-  **COMPATIBILITY**
Supports IEC60309 & IEC62196-2 connectors
-  **USER-FRIENDLY APP**
App for EV owners, to monitor charging process & billing information
-  **EASY PAYMENT**
Payment through Smartcard or App
-  **RESPONSIVE**
Grid responsive metering & billing



DC CHARGER FEATURES



SMART CHARGING

Takes care of the grid load & varying charging demand



COMPATIBILITY

Supports GB/T, CCS & CHAdeMO connector



USER-FRIENDLY APP

App for EV owners, to monitor charging process & billing information



EASY PAYMENT

Payment through Smartcard or App



RESPONSIVE

Grid responsive metering & billing



DC CHARGERS

DC Chargers come with industry standard fast charging technology to support next generation EV. These are configurable, multi-protocol design chargers to support CCS & CHAdeMO for fast charging. The DC charger boosts the EV battery from 20% - 80% in 90 just minutes.

DC001 CHARGING STATION

- Supports BEVC-DC001 specifications
- Charging gun as per GB/T 20234.3 compliance
- 1 output for charging
- Three Phase



CCS & CHADEMO CHARGING STATION

- Supports output range from 20kW to 120kW
- Charging guns: CCS & CHAdeMO
- 1 to 2 outputs for charging
- Three Phase



COMBO CHARGING STATION

- Output range: 142kW
- Charging guns: CCS+CHAdeMO+ Type2
- 3 outputs for charging
- Three Phase



EV CHARGING APP BY HARMONIZER

Harmonizer offers the advanced accessibility option by introducing mobile app that can perform multiple functionalities including monitoring, tracking, analysis and making payments. This helps the EV owners to keep a close watch on their EV usage.



BASIC APP



- Current status
- 1 users/charger
- 1 week's sessions
- No Scheduling
- No web sync
- No wifi

ADVANCED APP



- Current Status
- 3 users/charger
- 6 months sessions
- Scheduling
- Web login
- Wifi
- Analytics
- OCPP

FUTURE IS HERE

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