GO GREEN


GO EV

TO THE FUTURE FAST

E- RICKSHAWS & ELECTRIC AUTOS


Electric Vehicle (EV) Charging Station

Join Hand with Us

Design & Supply, Installation, Testing & Commissioning of Electric Vehicle charging stations.

# RPCON Plus India Pvt. Ltd.

CIN U31900WB2020FTC240005

*We have a clear business philosophy that strengthens the level of support and commitment we offer to each of our customers.*

We offer comprehensive tailor made quality services to meet your exact needs and brings you peace of mind through 24/7 availability and local presence.

For more infomation. Scan

**Registered Office:**
112/3 Selimpur Road, Dhakuria, Kolkata-700031, West Bengal
e-mail: enquiry@rpconplus.in Mobile: +91 8100875488
website: www.rpconplus.in

## RPCON's Services for EV charger business

- Designing of EV charging stations.
- Supply of EV chargers.
- Installation of EV charging stations.
- Testing and commissioning of EV chargers.

## RPCON's DC fast charger features:

- Battery integrity check prior to charging.
- Active charging protection extending battery life.
- Built-in heating and dehumidification to perfectly cope with diverse weather conditions.
- Remote status inquiry, troubleshooting, software registration, and upgrade.
- Fast charging of multiple vehicles to the maximum extent and optimizing equipment utilization.
- Dual-gun simultaneous output supports dynamic intelligent power distribution.
- Voltage ripple coefficient is low.
- Output current response time is high.
- Total harmonic current is low.
- Exception logs are stored locally with 1000 records.
- Mobile Payment/ IC Swipe feature is available.
- Over/under-voltage, over-current, overload, short-circuit protection, reverse connection protection, communication interruption protection, access control protection, flooding protection, etc.
- Interior communication interface - RS485/RS232, CAN, Ethernet.
- External communication interface – Ethernet, GPRS/4G.
- Forced air cooling present.

## About RPCON Plus

RPCON Plus India Pvt. Ltd. with parent Organization RCPI has been executing Engineering Services and associated products supply projects to Industries and Utilities in India, SE Asia and North America since 2005.

**Real Site Pictures**

## RPCON's EV charging station installation strengths

- RPCON has team of engineers with well knowledge and expertise on EV charging station installation.
- Meticulous way of Planning, designing, execution and choice of materials.
- Well experienced installation team with all necessary equipments for the civil, electrical and mechanical works at site.
- RPCON have experiences in doing projects on EV charging stations a total of 400 KW already.

## Global initiatives with EV

- 0% Thermal Emission BY 2035.
- By 2030, The Global Lithium–ion automotive battery manufacturing capacity is expected to reach 3.2 TWH, compared to 300 GWH in 2021.
- Mckinsey Report says, in EU-27 at least 3.4 million operational public charging points by 2030 is required.
- Promoting equity in public EV charging system.

## About RPCON Plus

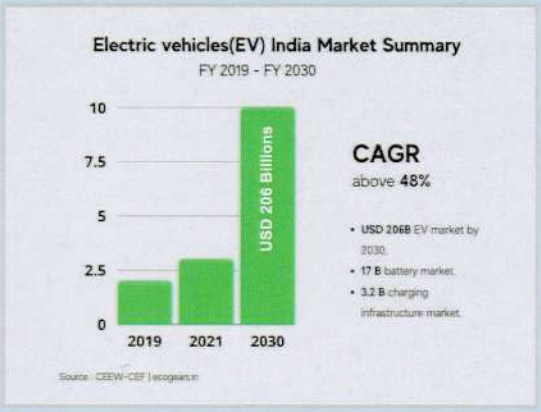
We have successfully completed several high valued projects in the field of insulation diagnostics for electrical power equipment and electrical safety in several countries including India, Germany, Malaysia and Canada.

## Indian Government's Initiative with EV

- To enable an awareness for the faster adoption of electric vehicles in India by ensuring safe, reliable, accessible and affordable Charging Infrastructure and eco-system.
- A revenue sharing model has been suggested for land use to make a public charging station financially viable from an operational perspective.
- The Government wants India to be a 100%, electric vehicle nation by the year 2030.
- Under the FAME India scheme, the Ministry of Heavy Industries has sanctioned the construction of 2,877 EV charging stations across multiple states, as well as 1,576 stations across 16 highways and 9 expressways.
- To encourage preparedness of different Electrical Distribution companies (DISCOM) to adopt EV Charging Infrastructure.
- The government on May 12, 2021, also approved a Production Linked Incentive (PLI) scheme for the manufacturing of advanced chemistry cell (ACC) in the country to bring down prices of batteries. A drop in battery price will result in cost reduction of electric vehicles.


## Target 2030 for India:

- By 2030, the government intends to have an electric vehicle (EV) sales penetration of 30 per cent for private cars, 70 percent for commercial vehicles and 80 per cent for two and three-wheelers.
- The domestic electric vehicle (EV) market is expected to grow at a compound annual growth rate (CAGR) of 49% between 2022 and 2030 and is expected to hit 1 crore units (10 million)annual sales by 2030. The EV industry will create 5 crore direct and indirect jobs by 2030.
- India would need at least 20 lakh public charging stations nationwide by 2030, if the government's goal for EV adoption is achieved.



## Different types of RPCON's EV chargers:

**Private Charging :** Batteries of privately owned cars through domestic charging points. Billing is mostly part of home/domestic metering.

**AC "Slow" Charging:** The home private chargers are generally used with 230V/15A single phase plug which can deliver a maximum of up to about 2.5KW of power. The EVSE supplies AC current to the vehicle's onboard charger which in turn converts the AC power to DC allowing the battery to be charged.

**DC "Fast" Charging:** DC current is sent to the electric car's battery directly via the charge port. FC chargers (usually 50 KW or more) can supply 100 or more kilometers of range per hour of charging. The fast chargers would generally be used as a top-up, rather than fully charging vehicles. These are important for cab companies and corporate users who have a fleet of electric cars.

## Major client's received RPCON's services

Reliance Industries Limited

DCM SHRIRAM
Growing with trust

TATA
TATA POWER

vedanta
transforming for good

re
Sustainability

POWER BANK

"In order to have clean air in cities, you have to go electric"
- Elon Musk