



# RENNOVA 10KW AC CHARGING STATION

## Charging Stations

Electric vehicle (EV) charging stations, also known as electric vehicle supply equipment (EVSE), are infrastructure facilities designed to recharge electric vehicles' batteries. These stations provide electrical energy to EVs, enabling them to operate and extend their driving range. Here's some information about EV charging stations:

### Our EV Charging Stations:

1. **Level 1 Charging:** This is the simplest and slowest form of charging, utilizing a standard 120-volt AC household outlet. Level 1 charging typically adds about 2-5 miles of range per hour of charging and is suitable for overnight charging at home.
2. **Level 2 Charging:** Level 2 charging stations use a 240-volt AC power supply and deliver charging at a faster rate than Level 1. They can add around 10-60 miles of range per hour, depending on the vehicle and charging equipment used. Level 2 charging is commonly found in residential settings, workplaces, and public locations.

### Public and Private Charging Stations:

1. **Public Charging Stations:** These are accessible to the general public and are typically located in parking lots, shopping centers, public garages, and other public areas. Public charging stations often offer a mix of Level 1 and 2 options, providing convenience for EV owners who need to charge away from home.
2. **Private Charging Stations:** These stations are usually installed at private residences, workplaces, and commercial facilities. Homeowners can install Level 1 or Level 2 chargers in their garages or driveways for personal use. Workplaces and commercial properties may provide charging stations for employees, customers, or visitors.

**Payment and Authentication:** Charging stations require authentication or payment for usage. Our stations offer free charging, while others require a fee. Payment methods can vary, including UPI, mobile apps, RFID cards, etc.,

As the popularity of electric vehicles continues to grow, the number of charging stations is increasing worldwide, making it more convenient for EV owners to charge their vehicles while on the go.

Our AC EV chargers which are well-suited for Residential Complexes, Shopping Malls, Hotels, Offices, Workplaces and Fleet Organization purposes. We pioneer in the emerging e-mobility market owing to our range of compact and smart AC chargers. Our chargers are simple to use, installation friendly with immense flexibility. Users can monitor charging status with sheer ease by using an ultra-modern software and mobile application. RFID based private charging points are also offered by us.



# RENOVA 10KW AC CHARGING STATION

## 10KW AC Charging Station



Our 10 kW AC charging station refers to an electric vehicle charging station that operates at a power output of 10 kilowatts (kW). This type of charging station is also known as a Level 2 charging station and uses a 240-volt alternating current (AC) power supply. Here are some key features and considerations regarding a 10 kW AC charging station:

**Power Output:** Our 10 kW charging station delivers electrical power to an electric vehicle at a rate of 10 kilowatts. Level 2 charging stations can add around 10-60 miles of range per hour, depending on the vehicle and its charging capabilities. With a 10 kW station, the charging rate will be faster compared to a 3.3 kW station.

**Installation:** Installing our 10 kW AC charging station requires a 240-volt electrical circuit, similar to a 3.3 kW station. It's recommended to hire a professional electrician to ensure proper installation, electrical safety, and compliance with local regulations. We provide installation service as well.

**Charging Time:** The charging time for an electric vehicle using a 10 kW AC charging station will depend on factors such as the vehicle's battery capacity and initial state of charge. As an estimate, a 10 kW station can fully charge an electric vehicle with a typical battery size (e.g., 40 kWh) in approximately 4-6 hours, depending on the vehicle's charging capabilities.

**Home and Commercial Charging:** Our 10 kW charging station can be installed at both residential and commercial locations. It offers faster charging compared to a 3.3 kW station, making it suitable for overnight charging at home or providing charging options in commercial settings such as workplaces, parking lots, or retail centers.



## RENOVA 10KW AC CHARGING STATION

Compatibility: Most electric vehicles are compatible with our 10KW AC charging stations.

It's important to note that while a 10 kW AC charging station provides faster charging than a 3.3 kW station, it is still considered a Level 2 charger.

### Product Code: RENAC100\_3P (Type 1 AC Charging Station)

- **Power Output:** 10 kW (3.3 kW per phase)
- **Connector Type:** IEC60309
- **Number of Plugs:** 3
- **Connectivity:** WIFI
- **User authentication:** RFID and Mobile App
- **Suitable for:** 2-wheelers, 3-wheelers, 4 wheelers

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