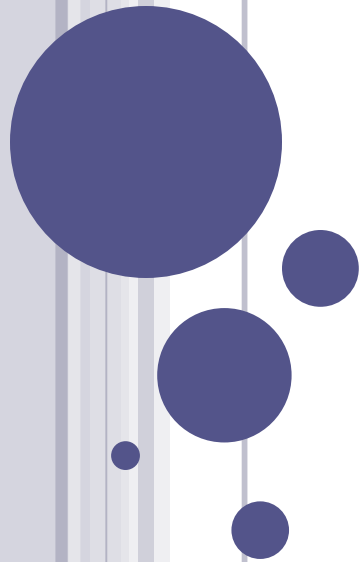




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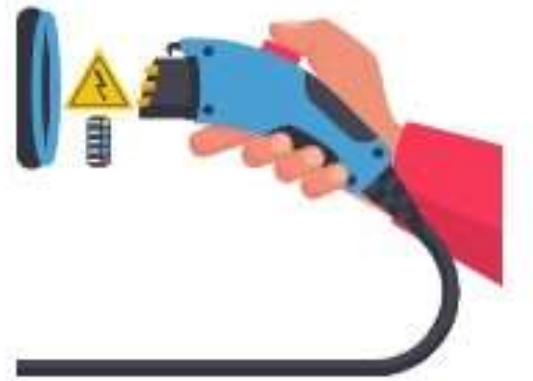
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ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE)

It refers to the supply of electricity to an electric vehicle (EV), commonly called “charging stations” or “charging docks”.

In simple terms, an EVSE is a wall mounted box that supplies electric energy for the recharging of electric vehicle batteries.



CHARGING PROTOCOLS

The Electric Vehicle Charging Protocol allows the use of a single inductive charger by multiple EV's. Charging Protocols define the type of Connector that goes into vehicle inlet, max power and voltage for the connection, communication protocols, and type of the communication link.



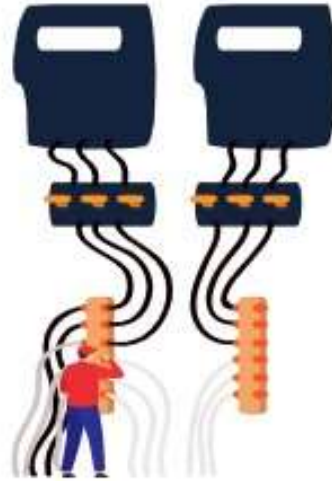


CENTRAL MANAGEMENT SYSTEM(CMS)

Central Management System(CMS) is often used by EV (Electric Vehicle) charging companies to monitor, measure, and control the electricity charging loads.

It is a cloud-based backend system managed by the company operating the charging station. The EVSE communicates with the CMS to manage user authorization, billing and rate of charging. The CMS will also enable user-facing apps to help end-users find nearest charging stations, reserve a charging slot and pay.





AC CHARGING AND DC CHARGING

What is Ac Charging?

AC(Alternating current) charging is the most common charging method for electric vehicles with a plug. When plugging an electric vehicle into a normal charge point, the power gets converted inside the vehicle, then moves into the car battery.

What is Dc Charging?

DC(Direct Current) charging can transform alternating current (AC) to direct current (DC) itself, then it bypasses the onboard charger of an electric car and sends this current directly to the battery.

