Electric vehicle (EV) charging stations

Exceptionally positioned for a bright future

The global market for electric vehicles (EVs) is projected to grow at a robust pace for the next several years. This demand is driven by efforts to reduce carbon emissions, the desire for high-performance vehicles, continuous improvements of EV technology and government incentives.

We have extensive experience in designing, engineering and manufacturing all types of EV charging stations

Personal residence EV charging station

Design support

Power modules
- AC/DC power electronics

Metal enclosure
- Tamper proof enclosures

Engineering and manufacturing support

User interface and network connectivity
- Display screen
- Wireless communication
- Vehicle communication

Mechanical systems
- Temperature sensors
- Charging plug

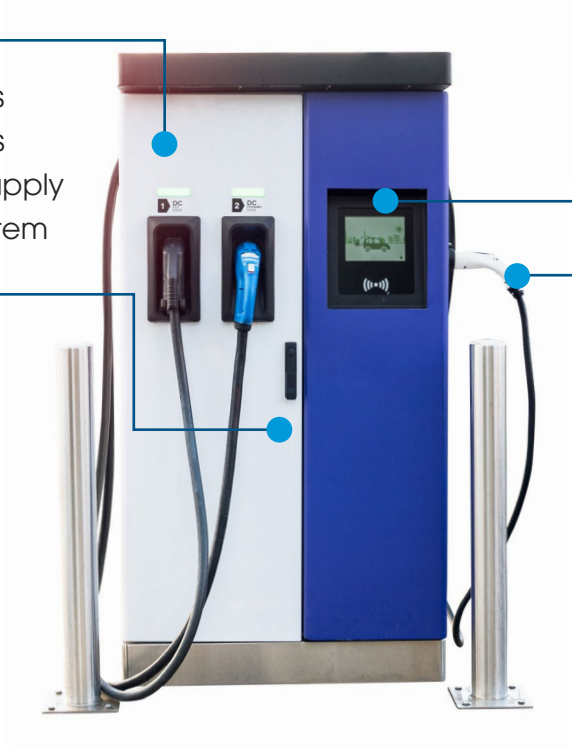
Electrical distribution systems
- Circuit breaker and fuse blocks with global approvals

Commercial EV charging station

Design support

Power modules
- AC/DC power electronics
- DC/DC power electronics
- Auxiliary AC/DC power supply
- Battery management system

Metal enclosure
- Weather and tamper proof enclosures



Engineering and manufacturing support

User interface and network connectivity
- Display/touchscreen
- Wireless communication
- 5G, IoT, controls
- Vehicle communication

Mechanical systems
- Magnetic sensors
- Temperature sensors
- Cooling systems
- Charging plug

Electrical distribution systems
- High speed fuses
- UL class fusers and fuse block
- Earth fault relay
- Current transformer

Types of charging stations

The level of the charging station is based on the charge rate.

Level 1- slow charging

- Fully charged in 10+ hours
- 3 and 5 miles of range per hour of charge
- Personal residence

Level 2 – fast charging

- Fully charged in 9 hours
- 25 miles of range per hour of charge
- Business, retail, public places and some homes

Level 3 – DC fast charging station and energy storage system

- Fully charged in 1.5 hours
- 200 miles of range per hour of charge
- Locations along public highways or freeways

For more information, visit **flex.com/connect**. Work with Flex to build reliable, safe EV charging stations with fast charging times.