

# PUBLIC FAST CHARGING STATION, 50KW DC

## SAFE, FAST, AND RELIABLE ELECTRIC VEHICLE CHARGING IN MINUTES, NOT HOURS

MODEL EV50-PS

### FEATURES

- Built-in security and safety measures
- Intuitive plug-and-charge interface
- Outdoor-rated enclosure
- Robust IGBT power technology
- CHAdeMO protocol compatibility option
- Point-of-Sale (POS) options
- Data management and metering options
- Wired and wireless communication options



Prototype image shown.  
Production model may vary.

| SPECIFICATION                           | EV50   |
|---|--|
| Power Rating                            | 50kW   |
| Power Factor                            | 0.95   |
| Input Power                             | 480V, 3 Phase AC<br>(Other inputs available) |
| Input Current                           | 68A max                                      |
| Frequency                               | 50Hz / 60Hz                                  |
| Efficiency Rating                       | >90%   |
| Max. Output DC Current                  | 120A   |
| Max. Output DC Voltage                  | 50-500V                                      |
| Voltage Accuracy                        | 1%   |
| Current Accuracy<br>(Lesser of the two) | .5A or 5%                                    |
| Charger Shutdown Time                   | 15 ms  |
| Duty Cycle Rating                       | 100%   |
| Storage Temperature                     | -40°F to 140°F<br>-40°C to 60°C              |
| Operating Temperature                   | -22°F to 122°F<br>-30°C to 50°C              |
| Relative Humidity                       | 95% (Non condensing)                         |

Information and specifications subject to change.

Our EV50-PS Public Fast Charging Station delivers a fast, reliable, and safe charge to electric vehicles (EVs) when drivers are away from home and on the road. EV50-PS is designed to withstand variable weather conditions for installation in public locations including:

- Along well-traveled highways
- Federal and municipal buildings
- Charging stations in the city
- Airports
- Rest stops

**How It's Used:** Our Public Fast Charging Stations mirror the gas station experience by allowing drivers to pull up to a “pump” for a quick and safe charge in a matter of minutes. As battery chemistries evolve to support faster charging, a 25kWh EV battery may receive up to an 80% battery capacity charge in less than 10 minutes, depending on conditions.

**Proven Architecture:** Considered by many to be the most powerful and advanced EV charging technology, DC Fast Charging has been advanced by AV for more than a decade in large, fielded installations. The EV50-PS is based on the same demonstrated technology that has made AV the leading provider of industrial and commercial fast chargers to airports, warehouses, and manufacturing plants the world over.