

# FLEET FAST CHARGING STATION, 250KW DC

## SECURE, SAFE, FAST CHARGING FOR YOUR HARDWORKING FLEET

MODEL EV250-FS

### FEATURES

- Built-in security and safety measures
- Intuitive plug-and-charge interface
- Outdoor-rated enclosure
- Robust IGBT power technology
- Point-of-Sale (POS) options
- Data management and metering options
- Wired and wireless communication options
- Optional dual port configurations
- Bi-directional capability
- UL and CE in progress



Prototype image shown.  
Production model may vary.

Our EV250-FS Fleet Fast Charging Station delivers a fast, reliable, and safe charge to fleet electric vehicles (EVs) such as delivery vehicles, shuttles, repair and service vehicles, and large and small municipal transportation vehicles. EV250-FS is designed to withstand variable weather conditions and provide additional security for installation in fleet yards or parking depots. EV250-FS supports fleets with:

- Large batteries
- No overnight shut down
- Unpredictable routes
- Long routes that exceed battery range

**How It's Used:** Our Fleet Fast Charging Stations are installed centrally in the fleet yard or in distributed locations along the route. The experience of "filling up" with our EV250-FS is similar to that of using a gas pump. Fleet drivers just pull up to our electric "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 eventually receive up to an 80% battery capacity charge in less than 10 minutes, depending on conditions.

**For OEMs:** For our OEM partners working with fleet customers, AV supports one-time protocol integration using CAN V2.OB protocol to interface with the development vehicle's custom-configured Battery Management System (BMS).

**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 EV250-FS is based on the same demonstrated technology that has made AV the leading provider of industrial and commercial fast chargers to airports, logistics providers, warehouses, and manufacturing plants the world over.

<b>SPECIFICATION</b>	<b>EV250</b>
Power Rating	250kW
Power Factor	0.95
Input Power	480V, 3 Phase AC (Other inputs available)
Input Current	330A
Frequency	50Hz / 60Hz
Efficiency Rating	>90%
Max. Output DC Current	550A
Max. Output DC Voltage	50-700V
Voltage Accuracy	1%
Current Accuracy (Lesser of the two)	4A > 100A
Charger Shutdown Time	15 ms
Duty Cycle Rating	100%
Storage Temperature	-40°C to 60°C
Operating Temperature	-30°C to 50°C
Relative Humidity	95% (Non condensing)

*Information and specifications subject to change*