

FLEET FAST CHARGING STATION, 50KW DC

SECURE, SAFE, FAST CHARGING FOR YOUR HARDWORKING FLEET

MODEL EV50-FS

FEATURES

- Intuitive plug-and-charge interface
- Outdoor-rated enclosure NEMA 3R
- Robust IGBT power technology
- CHAdeMO and other protocols available
- Point-of-Sale (POS) options
- Data management and metering options
- Wired and wireless communication options



Our EV50-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. EV50-FS is designed to withstand variable weather conditions for outdoor installation in fleet yards or parking depots. EV50-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 EV50-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.

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-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.

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

Information and specifications subject to change.

