

# SmartDC™

Multi-Standard DC Fast Charging Station



The SmartDC™ charging station is designed to offer a fast and reliable charging service for electric vehicles equipped with a CHAdeMO or SAE COMBO charging port

The SmartDC™ is a robust and reliable 50 kilowatt multi-standard charging station intended for commercial and industrial applications, and designed to be installed indoors or outdoors in the harshest environmental conditions.

The SmartDC™ is equipped with AddÉnergie's PowerLimiting™ capability, which enables limiting the peak power demand from the grid, helping to minimize the associated "Demand Charges".

The SmartDC™ is equipped with a remote management interface, enabling its connection to AddÉnergie's cloud-based servers. With this powerful capability, the SmartDC™ can be integrated into any modern EV Charging Network.

## Features

- Robust NEMA 3R aluminum enclosure;
- Modular construction facilitating maintenance and servicing;
- Available in 3 maximum output power ratings: 25 kW, 37,5 kW or 50 kW;
- Operating temperature: -40°C to +50°C;
- RFID card or mobile app based authentication and payment;
- 208V three-phase input power @ 60Hz;
- Compatible with the CHAdeMO and SAE J1772 Combo protocols;
- PowerLimiting™ capability.

## Benefits

- Can be configured to minimize demand charges;
- Designed to withstand harsh climate and resist vandalism;
- Easy to install by any qualified electrician;
- Completely manageable remotely;
- Can generate revenue from the charging service;
- Allows full access control for the charging service;
- Simple and intuitive to use.

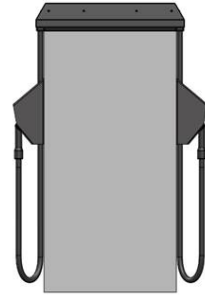
## Available Configurations



Front view



Side view



Rear view

## Applications

### Commercial parking lots

For owners of public locations interested in offering an EV fast charging service to their customer base.

### EV fleets

For EV fleet managers wanting to minimize charging time in order to maximize the usage rate of their fleet.

### Gas stations

For gas station owners wishing to offer a complementary service that will help retain customers migrating from ICEs to EVs.

### Service areas

For public administrators responsible of highways wishing to encourage electro-mobility between cities.

## Specifications

Aluminum enclosure	NEMA 3R – Resistant to harsh weather and vandalism
Charging Connectors	SAE J1772 Combo and CHAdeMO (25 feet)
Maximum Charging Power	Available in 3 models: 25kW, 37.5kW or 50 kW
Modularity	Depending on the specific model: 2, 3 or 4 AC/DC, 12.5 kW conversion modules
Supply Voltage	Three-phase 208VAC @ 60 Hz
Maximum Input Current	Depending on the specific model: 80, 120 or 160A
Maximum Input Power	Depending on the specific model: 30, 45 or 60 kVA
Maximum Output Current	Depending on the specific model: 62, 93, or 124A
Output Voltage	Varies from 50 to 500 VDC
Efficiency	Better than 90%
Power Factor	Better than 0.95
Operating Temperature Range	-40°C to +50°C / -40°F to +122°F
Overall Dimensions	70 inches (Height) x 48 inches (Width) x 24 inches (Depth)
Humidity	Up to 95% (Non condensing)
Communication interface	ZigBee (IEEE 802.15.4 meshed network)
Networking	3G (Via communication gateway)
Certifications	CSA evaluated for Canada

## Ordering Information

1 866 898 EVSE (3873)  
www.electrumcharging.com