

# SmartDC-V2™

Multi-Standard Level 3 DC Fast Charging Station



The SmartDC-V2™ charging station is designed to offer a fast and reliable charging service for electric vehicles equipped with a CHAdeMO or SAE COMBO charging port

## Features

- Robust NEMA 3R aluminum enclosure;
- Modular construction facilitating maintenance and servicing;
- Maximum output power: 50 kW;
- Operating temperature: -40°C to +50°C;
- RFID card or mobile app based authentication and payment;
- 480V 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 a qualified contractor;
- Remote management capability;
- Connected to FLO, Canada's largest network
- Can generate revenue from the charging service;
- Only Fast Charger Made in Canada;
- Simple and intuitive to use.

The SmartDC-V2™ is a robust and reliable 50 kW multi-standard charging station intended for commercial and industrial applications. The station is Made in Canada at AddÉnergie's facilities in Quebec and is designed for all weather environments, including harsh Canadian winter conditions. This station is Canada's most prolific fast charger with over 100 units installed across the country.

The SmartDC-V2™ is equipped with AddÉnergie's PowerLimiting™ capability, which can be used to limit the peak power demand from the grid, helping to minimize operational costs associated with 'Demand Charges' that are enforced for certain utility tariffs.

The SmartDC-V2™ is equipped with a remote management interface, enabling its connection to the FLO network, which has over 21,000 drivers across Canada.

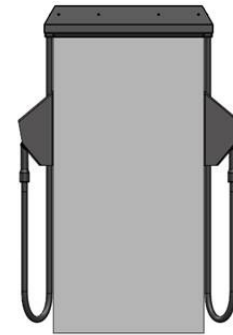
## Overview



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 who are adopting to electric mobility.

### Service areas

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

## Ordering Information

Refer to the SmartDC™ Ordering guide or contact us:

Email: [info@addenergie.ca](mailto:info@addenergie.ca)

Phone: 1 877 505-2674 #202

## Specifications

|                                  |  |
|----------------------------------|--|
| Aluminum Enclosure               | NEMA 3R – Resistant to harsh weather and vandalism               |
| Charging Connectors              | SAE J1772 Combo and CHAdeMO                                      |
| Supply Voltage                   | Three-phases 480 VCA 60 Hz nominal (360 to 508 VCA, 45 to 65 Hz) |
| Maximum Input Current            | 80A @ 400 VCA  |
| Maximum Input Power              | 54 kW  |
| Power Factor                     | 98% or better  |
| Efficiency (@ max. output power) | 93% or better  |
| Output Voltage Range             | 200 to 500 VDC   |
| Output Current Range             | 0.5 to 125 ADC   |
| Operating Temperature Range      | -40°C to +50°C   |
| Dimensions                       | 70" (H) x 48" (W) x 24" (D)                                      |
| Humidity                         | Up to 95% (Non condensing)                                       |
| Communication Interface          | ZigBee (IEEE 802.15.4 meshed network)                            |
| Networking                       | 3G (Via communication gateway)                                   |
| Certification                    | CSA evaluated for Canada   |