

SmartDC-V2™

Multi-Standard 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



*Shown with optional cable management system installed

Features

- Robust NEMA 3R aluminum enclosure;
- Modular construction facilitating maintenance and servicing;
- Maximum output power: 50 kW;
- Operating temperature: -40°C to 40°C (-40°F to 104°F);
- 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;
- Cable management system (Optional).

Benefits

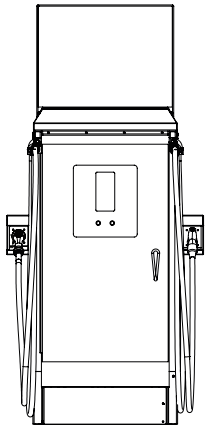
- Can be configured to minimize demand charges;
- Designed to withstand harsh climate and resist vandalism;
- Easy to install by any qualified electrician;
- Completely manageable remotely;
- Can generate revenue from the charging service;
- Allows full access control for the charging service;
- Simple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

The SmartDC-V2™ is a robust and reliable 50 kW multi-standard charging station intended for commercial and industrial applications, and designed to be installed indoors or outdoors in the harshest environmental conditions.

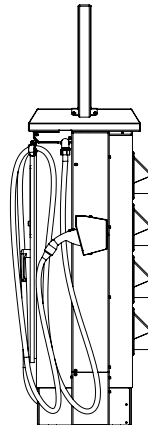
The SmartDC-V2™ is equipped with AddÉnergie's PowerLimiting™ capability, which enables limiting the peak power demand from the grid, helping to minimize the associated "Demand Charges".

The SmartDC-V2™ 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.

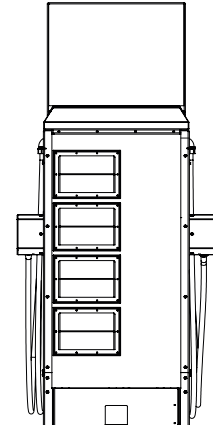
Overview



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 migrating from ICEs to EVs.

Service areas

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

Ordering Information

Email: 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 480/277 VCA 60 Hz nominal (360 to 580 VCA, 45 to 65 Hz)
Maximum Input Current	67A @ 480 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 40°C (-40°F to 104°F)
Dimensions (H x W x D)	2010mm x 1190 mm x 833mm (79 ^{1/8} " x 47" x 32 ^{7/8} ")
Dimensions with cable management system (H x W x D)	2010mm x 1251mm x 833mm (79 ^{1/8} " x 49 ^{1/4} " x 32 ^{1/8} ")
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
Total height with top sign installed	2670mm (105 ^{1/8} ")