AddENERGIE

SmartDC™

Multi-Standard DC Fast Charging Station

The SmartDC™ is a robust, reliable, 50kW or 100kW multi-standard charging station for commercial and industrial applications designed for indoor and outdoor use. Its sturdy construction ensures longer service life and greater operational reliability, even in hard 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".

It is also 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.

Benefits

- Reduce Mean Time To Repair (MTTR) and enhance customer experience with the remote management tool (based on ONP-Intranetworking open protocol)
- Avoid peak energy demand and save on operational expenditures with adjustable output power control option
- Designed to withstand harsh climate and resist vandalism
- Simple and intuitive to use

Smart Charging Solution

- Enhanced charging station owner experience – Complete remote management capabilities including software and firmware update
- Enhanced user experience – Deliver real-time updates and notifications to drivers
- Revenue generation – Implement payment services to generate revenue
- Access Control – Configure stations to authorize access using mobile app or RFID card authentication, or allow unrestricted access to the station

Commercial

For parking lot owners interested in offering their customers a first-class experience by providing EV DC fast-charging service.

Fleet

For EV fleet managers who want to minimize charging time and maximize the usage rate of their fleet.

Gas stations

For gas station owners who wish to offer a complementary service that will help retain customers migrating to EVs.

Rest areas

For public administrators responsible for highways that wish to encourage electromobility between cities.

Technical Specifications

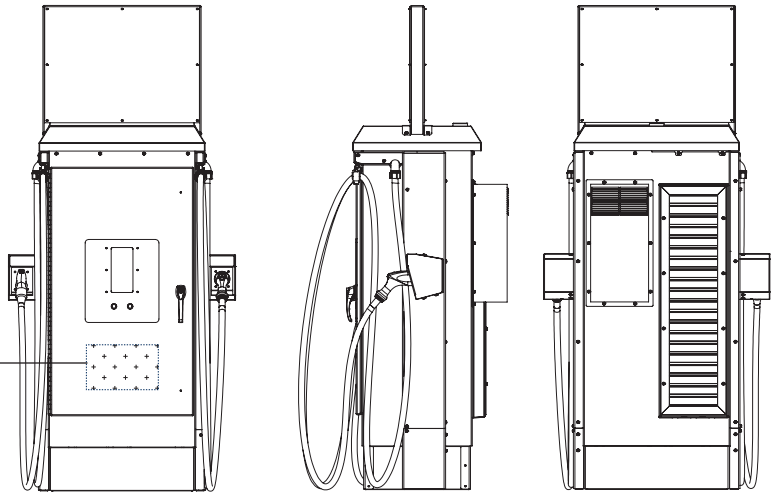
	50 kW	100 kW
Casing	Aluminum NEMA Type 3R – Resistant to harsh weather and vandalism	
Charging connectors	SAE J1772 Combo Type 1 and CHAdeMO	
Cable length	6.1m (20')	3.7m (12')
Supply voltage	Nominal three-phase 480 Y/277 VAC, 60 Hz nominal (408 to 528 VAC, 55 to 65 Hz)	
Maximum input current	65A @ 480 VAC	130 A @ 480 VAC
Maximum input power	54 kW	108 kW
Power factor	98% or better	
Efficiency (at max. output power)	93% or better	
Output voltage range	50 to 500 VDC	
Output current range	0.5 to 125 ADC	0.5 to 200 ADC
Operating temperature	-40 °C to 50 °C (-40 °F to 122 °F)	
Dimensions (H x W x D)	2,024 mm x 1,251 mm x 833 mm (79.7» x 49.25» x 32.8») Height with top sign installed 2,674 mm (105.28»)	
Weight	255 kg / 560 lbs With cable management system 300 kg / 675 lbs	300 kg / 675 lbs
Humidity	Up to 95% (non-condensing)	
Card reader	ISO 14443 A/B, ISO 15693, NFC	
Networking	Cellular – 4G (LTE), HSPA+	
Certifications	cULus: UL 2202, UL 2131-1, UL 2131-2, CSA C22.2 NO. 107.1-16 CSA C22.2 NO. 281.1-12, CSA C22.2 NO. 281.2-12 FCC part 15 Class AICES-3(A) / NMB-3(A)	
Part #	DCCH502AN1FLP03	DCCH502AO1FLP03

Customizable partner area

Every charging station includes a customizable branding area.

This area allows the display of partner logos or other publicity.

Dimensions (H x W):
262 mm (10.31») x 415 mm (16.14»)



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