



Enphase HCS-D50 EVSE

The high-powered, robust HCS-D50 dual EV supply equipment (EVSE) provides two J1772 output cables from the enclosure, enabling reliable and safe Level 2 charging for two EVs at once.

The 25-foot charging cable allows for flexible installation and ease-of-use and can be neatly stowed away using the integrated cable wrap and wall-mounted J1772 holster.

The tough NEMA 4 rated enclosure ensures you can install this unit indoors or outdoors with confidence. Ruggedized charging cables also help the charger to resist everyday wear-and-tear.



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Convenient

- High-powered, Level 2 EV charging station charges a single car up to seven times faster than the cord set that came with your electric vehicle
- Two output cables from the single enclosure allow simultaneous charging of two EVs from a single supply circuit
- Includes two wall mounted J1772 connector holster
- Industry-leading 25-foot charging cable
- Integrated cable wrap helps to neatly stow away the cable cord when not in use
- LED lights indicate EVSE status

Durable

- Impact and crush resistant SAE J1772 connector
- Type 4X watertight and corrosion-resistant rubber over-molded EV connector
- Rugged, fully sealed NEMA 4 station enclosure for indoor/outdoor installations

Reliable

- Provides up to 40 A charging to all J1772-compatible EVs
- Backed by a 5-year warranty and an outstanding customer service experience with Enphase
- Comprehensive safety and efficiency compliance and certifications, including ENERGY STAR® Certified and ETL listing

HCS-D50 Series

ELECTRICAL SPECIFICATIONS		HCS-D50 (HARD-WIRED)	HCS-D50 (PLUG-TYPE)
Input voltage/Input voltage range	208/240 VAC (L-L), single-phase/185 VAC – 264 VAC		
Input voltage frequency	50/60 Hz		
Circuit breaker requirement	Dedicated, 2-pole 50 A		
Input cable type	Pre-wired with: (L1, L2, Gnd) 8 AWG service whip	Pre-wired with: NEMA 14-50P	
Input cable length	3' (914.4 mm)	12" (304.8 mm)	
Maximum output current/Output power	40 A continuous (or 2 × 20 A continuous) 1/9.6 kW		
Output cable/Cable length	Pre-wired with: Two SAE J1772/25' (7.6 m)		
MECHANICAL DATA			
Enclosure dimensions (L × W × D)	19.7" × 8.9" × 5.3" (500 mm × 226 mm × 135 mm)		
Weight	21 lbs. (9.5 kg)		
Enclosure mounting	Wall or pedestal mounted (pedestal sold separately)		
ENVIRONMENTAL SPECIFICATIONS			
Environment rating	Indoor/outdoor rated		
Operating temperature	-22°F to 122°F (-30°C to 50°C)		
Storage temperature	-40°F to 176°F (-40°C to 80°C)		
Enclosure rating	NEMA Type 4 - watertight		
COMPLIANCE SPECIFICATIONS			
Codes and standards	NEC Article 625, SAE J1772, ENERGY STAR®, UL UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991		
Safety compliance	C22.2 No. 280-13, CSA C22.2 No. 282, CSA C22.2 No. 281.1, CSA C22.2 No. 281.2, CSA C22.2 No. 0.8 NOM-001-SCFI-2018		
EMC compliance	FCC Part 15 Class B		
Short-circuit protection	5000 RMS Symmetrical Amps at 240 VAC		
Open safety ground detection	Features a continuous earth ground monitor to ensure consistent connection to good earth ground		
Ground fault detection	Ground fault protection integral, CCID 20 mA, auto reset		
Auto-reclosure	System will automatically resume standard operation after minor power fault has cleared		
FEATURES			
Two sets of three LED Indicators	Amber LED: Power, Red LED: Fault, Green LED: Charging		
Warranty	5-year		
SKUs	PRODUCT DESCRIPTION		
HCS-D50PR-C29-P6-L25-272	40 A or 2 × 20 A charging, 240 VAC, 2 × 25' 10 AWG ruggedized J1772 connector, NEMA 14-50 plug, dual output		
HCS-D50R-C29-L25-268	40 A or 2 × 20 A charging, 240 VAC, 2 × 25' 10 AWG ruggedized J1772 connector, 8 AWG conduit, dual output		

(1) If both chargers are plugged into EVs, the output power is split between them, each supplying up to half of the maximum power.

Revision history

REVISION	DATE	DESCRIPTION
DSH-00133-1.0	June 2023	Initial release