



# 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, NOM		
Safety compliance	UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991 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	August 2023	Initial release