



Enphase HCS-80 EVSE

The high-powered, robust HCS-80 EV supply equipment (EVSE) is built and tested to automaker standards to provide safe and reliable Level 2 charging for residential and commercial settings.

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.



Convenient

- High-powered, Level 2 EV charging station charges your car up to twelve times faster than the cord set that came with your electric vehicle
- Includes 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 64 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-80 Series

ELECTRICAL SPECIFICATIONS		HCS-80 (HARD-WIRED)
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 80 A	
Input cable type	Pre-wired with (L1, L2, Gnd) 8 AWG service whip/3' (914.4 mm)	
Maximum output current/Output power	64 A continuous/15.4 kW	
Output cable/Cable length	Pre-wired with SAE J1772/25' (7.6 m) or 18' (5.5 m) ¹	
MECHANICAL DATA		
Enclosure dimensions (L × W × D)	19.7" × 8.9" × 5.3" (500 mm × 226 mm × 135 mm)	
Weight	17.8 lbs. (8.1 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	
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	
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		
Four LED indicators	Amber LED: Power, Green LED: Charging, 1 st Red LED: Power fault, 2 nd Red LED: Charging fault	
Optional cable management	18' output cable can be made retractable using this option ¹ (cable retractor sold separately)	
Warranty	5-year	
SKUs	PRODUCT DESCRIPTION	
HCS-80R-C22-L18-186	64 A charging, 240 VAC, 8 AWG service, 18' 8 AWG ruggedized J1772 connector	
HCS-80R-C22-L25-180	64 A charging, 240 VAC, 8 AWG service, 25' 8 AWG ruggedized J1772 connector	

(1) The standard 25' cable can be replaced with an 18' cable. The 18' cable can be paired with a cable retractor for a better cable management experience.

Revision history

REVISION	DATE	DESCRIPTION
DSH-00131-1.0	June 2023	Initial release