



Enphase HCS-50 EVSE

The high-powered, robust HCS-50 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 seven 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 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 ETL listing

HCS-50 Series

| ELECTRICAL SPECIFICATIONS | | HCS-50 (HARD-WIRED) | HCS-50 (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 50A | | |
| Input cable type | Pre-wired with: (L1, L2, Gnd) 8 AWG service whip | Pre-wired with: NEMA 14-50P or NEMA 6-50P | |
| Input cable length | 3' (914.4 mm) | 12" (304.8 mm) | |
| Maximum output current/Output power | 40 A continuous/9.6 kW | | |
| Output cable/Cable length | Pre-wired with SAE J1772/25' (7.6 m) | | |
| MECHANICAL DATA | | | |
| Enclosure dimensions (L x W x D) | 19.7" x 8.9" x 5.3" (500 mm x 226 mm x 135 mm) | | |
| Weight | 13.5 lbs. (6.1 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, NOM 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 | | | |
| Four LED indicators | Amber LED: Power, Green LED: Charging, 1 st Red LED: Power fault, 2 nd Red LED: Charging fault | | |
| Warranty | 5-year | | |
| SKUs | | PRODUCT DESCRIPTION | |
| HCS-50R-C29-P5-L25-282 | 40 A charging, 240 VAC, NEMA 6-50 plug, 25' 10 AWG ruggedized J1772 connector | | |
| HCS-50R-C29-P6-L25-283 | 40 A charging, 240 VAC, NEMA 14-50 plug, 25' 10 AWG ruggedized J1772 connector | | |
| HCS-50R-C29-L25-280 | 40 A charging, 240 VAC, 8 AWG service, 25' 10 AWG ruggedized J1772 connector | | |

Revision history

| REVISION | DATE | DESCRIPTION |
|---------------|-------------|-----------------|
| DSH-00129-1.0 | August 2023 | Initial release |