



# Enphase HCS-40 EVSE

The high-powered, robust HCS-40 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 six 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 32 A charging to all J1772-compatible EVs<sup>1</sup>
- Backed by a 5-year warranty and an outstanding customer service experience with Enphase
- Comprehensive safety and efficiency compliance and certifications, including ENERGY STAR<sup>®</sup> Certified and ETL listing

# HCS-40 Series

ELECTRICAL SPECIFICATIONS		HCS-40 (HARD-WIRED)	HCS-40 (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 40 A		
Input cable type	Pre-wired with: (L1, L2, Gnd) 10 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	32 A continuous/7.7 kW		
Output cable/Cable length	Pre-wired with SAE J1772/25' (7.6 m) or 18' (5.5) <sup>1</sup>		
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/Enclosure rating	Indoor and outdoor rated/NEMA Type 4 - watertight		
Operating/Storage temperature	-22°F to 122°F (-30°C to 50°C)/-40°F to 176°F (-40°C to 80°C)		
COMPLIANCE SPECIFICATIONS			
Codes and standards	NEC Article 625, SAE J1772, ENERGY STAR <sup>®</sup> , 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			
Four LED indicators	Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault		
Optional cable management	Retractable output cable available for 18' option <sup>1</sup> (cable retractor sold separately)		
Warranty	5-year		
SKUs		PRODUCT DESCRIPTION	
HCS-40R-C17-L18-178	32 A charging, 240 VAC, 10 AWG service, 18' 10 AWG ruggedized J1772 connector		
HCS-40R-C17-P6-L25-196	32 A charging, 240 VAC, NEMA 14-50 plug, 25' 10 AWG ruggedized J1772 connector		
HCS-40R-C17-L25-170	32 A charging, 240 VAC, 10 AWG service, 25' 10 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-00128-1.0	August 2023	Initial release