



# Enphase HCS-40 EVSE

The high-powered, robust Enphase HCS-40 EVSE (EV Supply Equipment) is built and tested to automaker standards to provide safe and reliable Level 2 charging for residential and commercial settings.

The 25-foot-long 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 6x faster than the cord set that came with your electric vehicle
- Includes wall mounted J1772 connector holster
- Industry-leading 25-foot-long 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 32A 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-40 Series

ELECTRICAL SPECIFICATIONS		HCS-40 (HARD-WIRED)	HCS-40 (PLUG-TYPE)
Input voltage / input voltage range	208 / 240VAC (L-L), single-phase / 185VAC – 264VAC		
Input voltage frequency	50 / 60 Hz		
Circuit breaker requirement	Dedicated, two-pole 40A		
Input cable type	Pre-wired with: (L1, L2, Gnd) 10AWG service whip	Pre-wired with: NEMA 14-50P	
Input cable length	3' (914.4 mm)	12" (304.8 mm)	
Maximum output current / output power	32A continuous / 7.68 kW		
Output cable / cable length	Pre-wired with SAE J1772 / 25' (7.62 m) or 18' (5.49) <sup>1</sup>		
MECHANICAL DATA			
Enclosure dimensions (L x W x D) / Weight	19.7" x 8.9" x 5.3" (500 mm x 226 mm x 135 mm) / 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, 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 NMX-J-677-ANCE-2016, NMX-J-678-ANCE-2017, NMX-J-668-1-ANCE, NMX-J-668-2-ANCE, NOM-001-SCFI-2018, NMX-I-60950-1-NYCE-2015, NOM-024-SCFI-2013, NOM-208-SCFI-2016		
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			
4 LED indicators	Amber LED: Power, Green LED: Charging, 1st Red LED: Power Fault, 2nd Red LED: Charging Fault		
Optional circuit sharing (Share2)	Two HCS-40 EVSEs can share power from one 40A circuit breaker, to each receive 16A charging current		
Optional load management (COSMOS)	COSMOS is a load management access point which can be connected to third-party load management and control systems to optimize charging		
Optional access control	Optional access control using the ChargeGuard and ChargeGuard EX <sup>2</sup> features		
Optional cable management	Retractable output cable available for 18' option <sup>1</sup> (Cable retractor sold separately)		
Warranty	5 Years		
SKUs	PRODUCT DESCRIPTION		
HCS-40R-C17-L18-178	32A charging, 240VAC, 10AWG service, 18' 10AWG ruggedized J1772 connector		
HCS-40R-C17-L18-A141-178	32A / 24A / 16A / 08A charging, 240VAC, 10AWG service, 18' 10AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)		
HCS-40R-C17-P6-L25-196	32A charging, 240VAC, NEMA 14-50 Plug, 25' 10AWG ruggedized J1772 connector		
HCS-40R-C17-L25-170	32A charging, 240VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector		
HCS-40R-C17-L25-A087-170	32A charging, 240VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector, with access control via physical key (907)		
HCS-40R-C17-L25-A130-170	32A / 24A / 16A / 08A charging, 240VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS no conduit)		
HCS-40R-C17-L25-A141-170	32A / 24A / 16A / 08A charging, 240VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)		
HCS-40R-C17-L25-A157-170	32A / 24A / 16A / 08A charging, 240VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector, with load management interface (COSMOS 8-wire conduit) & access control via physical key		

(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.

(2) ChargeGuard EX is an optional feature enabling digital access control provided alongside COSMOS Load Management in the SKUs that include a 15-wire interface cable.