



## CS-100 EV Charger

Enphase's most powerful Level 2 EV charger, the CS-100, is built to provide safe and reliable charging to all J1772-compliant electric vehicles with up to 19.2 kW of power.

The industry-leading 25 ft charging cable allows for flexible installation and ease of use, making the charging station perfect for fleet owners. This cable can be neatly stowed using the integrated cable wrap and J1772 holster when unused.

The proprietary COSMOS interface allows the CS-100 to integrate with existing energy management or access control systems to provide load control and access control features. Two CS-100s can also share a single circuit breaker using the Share2 feature, easing circuit breaker requirements.



### Efficient

- Charge electric vehicles up to 16 times faster than with standard vehicle cordsets.
- 25 ft charging cable offers flexibility in reach and location of installation.
- Integrated cable management enhances site cleanliness and safety.
- Ease circuit breaker requirements by letting two CS-100s share power from a single circuit breaker.
- LED indicators facilitate effortless infrastructure monitoring.

### Durable

- Impact and crush resistant J1772 connector for resilience.
- Type 4X watertight and corrosion resistant J1772 connector with rubber overmolding ensures long lasting performance.
- Rugged NEMA 3R enclosure suitable for both indoor or outdoor installations.

### Reliable

- Safe 19.2 kW (80 A) charging ensured by rigorous third-party testing and certification by UL.
- Easily integrates with existing energy management or access control systems for streamlined operations through COSMOS.
- Backed by a 3-year limited warranty and superior customer support.
- Field replaceable components minimize downtime and extend station life.

# CS-100 Series

ELECTRICAL SPECIFICATIONS		CS-100 (HARD-WIRED)
Input voltage	208/240 VAC (L-L), 120 VAC (L-G), single-phase	
Input voltage range	185 VAC-264 VAC	
Input voltage frequency	50/60 Hz	
Input cord requirement	No pre-wired input cord. Product to be field serviced, ensuring adherence to local installation standards	
Wiring standard	3-Wire (L1, L2, and Ground)	
Circuit breaker	100 A	
Maximum output current	80 A	
Maximum output power	19.2 kW	
Output connector type	SAE J1772	
Output cable length	25 ft (7.6 m)	
MECHANICAL DATA		
Enclosure dimensions (L x W x D)	21.9" x 17.0" x 11.4" (557 mm x 432 mm x 290 mm)	
Weight	36.4 lbs (16.5 kg)	
Enclosure mounting	Wall or pedestal mounted (pedestal sold separately)	
ENVIRONMENTAL SPECIFICATIONS		
Environment rating	Indoor and 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 3R	
COMPLIANCE SPECIFICATIONS		
Codes and standards	NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGY STAR	
Safety compliance	UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991, UL 840, UL 746C CSA C22.2 No. 0, CSA C22.2 No. 0.2, CSA C22.2 No. 0.4, C22.2 No. 280-13, CSA C22.2 No. 281.1, CSA C22.2 No. 281.2, CSA C22.2 No. 282	
EMC compliance	FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN	
Short-circuit protection	5,000 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	The system resumes standard operation automatically after clearing a minor power fault	
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	
Field-replaceable components	Contact Enphase Support to order field replaceable components for the EV charger	
Load management	COSMOS <sup>1</sup> allows external inputs from building energy management or other load control devices to enable four levels of power control (at 100%, 50%, 25%, and 0%)	
Load sharing	Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the COSMOS Share2 feature	
Access control	Restrict access to the charging station using the COSMOS ChargeGuard EX feature, a simple interface that connects to an external access control system	
SKU		
CS-100-C16-L25-107	240 VAC, 80 A CS-100 with 25 ft output J1772 cable, Enphase branded	
WARRANTY		
Warranty period	3-year limited warranty	

<sup>1</sup>For more information on the COSMOS functionality, see the *CS-100 user manual*.

# Revision history

REVISION	DATE	DESCRIPTION
DSH-00219-5.0	July 2024	Updated the "Features" section.
DSH-00219-4.0	June 2024	Updated information about the COSMOS interface.
DSH-00219-3.0	March 2024	Updated the certification logos.
DSH-00219-2.0	March 2024	Updated the enclosure rating.
DSH-00219-1.0	November 2023	Initial release.