

# 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.