





# 'Liberty Enabled' CS-100

The most powerful Level 2 keypad equipped Enphase EVSE (Electric Vehicle Supply Equipment) available, 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.

Using cutting edge clock synch codes and without the need of a network connection or hardware, our back-end provides access control and monitoring via our mobile app or through the Liberty website portal - without the higher cost of purchasing a network-ready EV charger.

Ready to install on a pedestal or wall-mountable, these come equipped with a keypad, 25-foot-long charging cable, a cable wrap and includes a J1772 connector holster.



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### Efficient

- Charge electric vehicles up to 16 times faster than with standard vehicle cordsets.
- Long-reach, 25-foot charging cable offers flexibility in 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 status indicators facilitate effortless infrastructure monitoring.

#### Durable

- Features an impact and crush-resistant SAE J1772 connector for resilience.
- Type 4X watertight and corrosion-resistant rubber overmolding ensures long-lasting performance.
- Rugged NEMA 4 enclosure suitable for both indoor or outdoor installations.

#### Reliable

- UL-Listed EVSE provides up to 19.2 kW (80 A) charging to all J1772-compliant EVs
- Already integrates with Liberty's management and access control systems for streamlined operations.
- Backed by an industry-leading 3-year warranty and superior customer support.
- Field-replaceable components minimize downtime and extend station life.

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## LTI 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 $\times$ W $\times$ D)	22" × 17" × 12" (559 mm × 432 mm × 304.8 mm)
Weight	45 lbs. (20.4 kg)
Enclosure mounting	Wall or pedestal mounted (pedestal sold separately)
ENVIRONMENTAL SPECIFICATIONS	
Environment rating	Indoor or outdoor-rated
Operating temperature	-40°F to 122°F (-40°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, CSA C22.1, UL, ENERGYSTAR
	UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991, UL 840, UL 746C
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
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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN
Safety compliance EMC compliance Short-circuit protection	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC
Safety compliance EMC compliance Short-circuit protection Open safety ground detection	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground
Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset
Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection Auto-reclosure	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault
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Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection Auto-reclosure FEATURES Keypad, Four LED indicators External control input for load management	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%)
Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection Auto-reclosure FEATURES Keypad, Four LED indicators External control input for load management Optional load-sharing	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%) Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature.
Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection Auto-reclosure FEATURES Keypad, Four LED indicators External control input for load management Optional load-sharing Access Control	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%) Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature. Built-in via Liberty Access Technologies for access and management via mobile app or online.
Safety complianceEMC complianceShort-circuit protectionOpen safety ground detectionGround fault detectionAuto-reclosureFEATURESKeypad, Four LED indicatorsExternal control input for load managementOptional load-sharingAccess ControlField-replaceable components	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%) Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature. Built-in via Liberty Access Technologies for access and management via mobile app or online. Contact Enphase Support to order field-replaceable components for the EVSE.
Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection Auto-reclosure FEATURES Keypad, Four LED indicators External control input for load management Optional load-sharing Access Control Field-replaceable components	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%) Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature. Built-in via Liberty Access Technologies for access and management via mobile app or online. Contact Enphase Support to order field-replaceable components for the EVSE. PRODUCT DESCRIPTION
Safety complianceEMC complianceShort-circuit protectionOpen safety ground detectionGround fault detectionAuto-reclosureFEATURESKeypad, Four LED indicatorsExternal control input for load managementOptional load-sharingAccess ControlField-replaceable componentsSKUsLTI CS-100	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%) Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature. Built-in via Liberty Access Technologies for access and management via mobile app or online. Contact Enphase Support to order field-replaceable components for the EVSE. PRODUCT DESCRIPTION 240 VAC, 80 A CS-100 with 25' output J1772 cable, Enphase Branded
Safety compliance EMC compliance Short-circuit protection Open safety ground detection Ground fault detection Auto-reclosure FEATURES Keypad, Four LED indicators External control input for load management Optional load-sharing Access Control Field-replaceable components SKUs LTI CS-100 WARRANTY	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 FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN 5,000 RMS Symmetrical Amps at 240 VAC Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault protection integral, CCID 20 mA, auto reset The system resumes standard operation automatically after clearing a minor power fault Keypad, Amber LED: Power, Green LED: Charging, 1 <sup>st</sup> Red LED: Power fault, 2 <sup>nd</sup> Red LED: Charging fault 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%) Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature. Built-in via Liberty Access Technologies for access and management via mobile app or online. Contact Enphase Support to order field-replaceable components for the EVSE. PRODUCT DESCRIPTION 240 VAC, 80 A CS-100 with 25' output J1772 cable, Enphase Branded



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