





# 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

Input voltage range         308/240 WAC (1-1), 120 WAC (1-6), single-phase)           Input voltage rangen         185 WAC-240 WAC           Input voltage regameny         505/05/01           Unput voltage frequency         No pre-wised input cord. Product to be field serviced, ensuring adherence to local installation standards           Winning standard         3-Wee LLL, 2, and Ground)           Clouds threated         400 A           Maximum output courient         300 A           Maximum output cower         10.2 kW           Output cable length         25 H/170 am           Output cable length         25 H/170 am           Experimental length         30 A Set 1/72 am           Regist         30 A Set 1/72 am           Regist         30 A Set 1/72 am           Regist         30 A Set 1/73 am           Regist         10 A Set 1/74 am         10 A Set 1/74 am	ELECTRICAL SPECIFICATIONS	CS-100 (HARD-WIRED)
Input voltage friequency Input cord requirement No pre-wired input cord. Product to be field serviced, ensuring adherence to local installation standards No first standard 3-Wire (L, LZ, and Ground) Circuit breaker 100 A Maximum output current 80 A Maximum output current 180 A	Input voltage	208/240 VAC (L-L), 120 VAC (L-G), single-phase
Input cord requirement Wining standard Wining	Input voltage range	185 VAC-264 VAC
Wring standard         3-Wire (LL, L2, and Ground)           Circut breaker         100 A           Maximum output current         80 A           Maximum output prower         102 LW           Output connector type         SAE JIT72           Output calbe length         25 ft (7.6 m)           Microsome Control (PM)         25 ft (7.6 m)           Mergin (LEAR ACA)         The Clean (LEAR ACA)           Enclosure dimensions (1 - W - D)         2.9° *17.0° *1.4" (507 mm *432 mm *290 mm)           Weight         3.04 bits (6.6 sig)           Enclosure mounting         Packet (1.6 sig)           Enclosure mounting         3.04 bits (6.6 sig)           Enclosure resource mounting         Packet (1.6 sig)           Enclosure rating         Mail or pedestal mounted (pedestal said separately)           Environment rating         Indoor and outdoor - sted           Operating temperature         -2.2° ft to 122° ft - (30° Ct > 50° Ct)           Enclosure rating         NEO Article 625 SAE (1772, CSA C22.1 UL, ENRRY \$73R           Collegate presenture         CSA C22.2 No. 2, CSA C22.2 No. 2, CSA C22.2 UL, ENRRY \$73R           Collegate y compliance         CSA C22.2 No. 0, CSA C22.2 No. 0, CSA C22.2 No. 2, CSA C22.2 No.	Input voltage frequency	50/60 Hz
Circuit breaker         100 A           Maximum output current         80 A           Maximum output power         19.2 kW           Output cented type         SAE JIT72           Output ceable length         25 EK JIT72           Output cable length         35 EK JIT72           MECHAZIAL SATA           Emclosure dimensions (L * W * D)         21.9" * 17.0" * 11.4" (557 mm * 432 mm * 290 mm)           Weight         36.4 bs (6s fc)           Envisormentation         36.4 bs (6s fc)           Envisormentation         36.4 bs (6s fc)           Envisormentation         Moderating temperature         2-27 to 122°F (-30°C to 50°C)           Stronge temperature         2-27 to 122°F (-40°C to 80°C)           Envisormentation         NEMA Type 3R           Codes and standards         NEC Article 825, SAE JIT72, CSA C22.1 UL, ENERGY STAR           Codes and standards         NEC Article 825, SAE JIT72, CSA C22.1 UL, ENERGY STAR           Safety compliance         SA C22.2 No. Q. CSA C22.2 No. Q. CSA C22.2 No. 24, CSA C22.2 No. 24, CSA C22.2 No. 281.1 CSA C22.2 No. 281.2 C	Input cord requirement	No pre-wired input cord. Product to be field serviced, ensuring adherence to local installation standards
Maximum output current Maximum output power Output cable length SEA L1772  Enclosure dimensions (L + W + D) Meght Enclosure dimensions (L + W + D) Meght Sa A libs (16.5 kg) Enclosure mounting Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Indoor and outdoor-rated Operating temperature Part 1-27° to 127° t-37° to 150°C)  Storage temperature Properating Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal mounted (pedestal sold separately)  Environment rating Mill or pedestal sold separately)	Wiring standard	3-Wire (L1, L2, and Ground)
Maximum output power Output cache from the Comment or type Output cache length  Enclosure dimensions (L+W+D)  REGINATION  REGI	Circuit breaker	100 A
Output connector type         SAE_JIT72           Output cable length         25 ft (7.6 m)           MECHANICAL DATA           Enclosure dimension (L × W D)         219" x 17.0" x 11.4" (\$57 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         Indoor and outdoor-rated           Environment rating         Indoor and outdoor-rated           Operaling temperature         -22" ft 122" ft -30" Ct 0.5 50" C)           Storage temperature         -40" ft 10 170" ft -(40" Ct 8 80" C)           Enclosure rating         NEC Article 825, SAE JIT72, CSA C22.1 UL, ENERGY STAR           COMPLIANCE SPECIFICATIONS         UL 2504, UL 2251, UL 2233-1, UL 2233-1, UL 234, U. 508, UL 901, UL 840, UL 746C           Safety compliance         CSA C22.2 No. 0, CSA C22.2 No. 0, CSA C22.2 No. 20, CSA C22.2 No. 280-13, CSA C22.2 No. 281, CSA C22.2 No. 281.2 CSA C22.2	Maximum output current	80 A
NECHANICAL DATA  Enclosure dimensions (L + W + D)  219" + 170" + 1.14" (557 mm + 432 mm + 290 mm)  Weight  56.4 lbs (16.5 kg)  Enclosure mounting  Mall or pedestal mounted (pedestal sold separately)  Environment rating  Operating temperature  Forument atting  Operating temperature  1-22" For 102" For 102" For 100" Core 50" Core  Storage semperature  PERMENTION  ENVIRONMENTAL SPECIFICATIONS  Environment rating  Operating temperature  1-22" For 102" For 100" Core 50" Core  Storage semperature  1-22" For 102" For 100" Core 50" Core  Enclosure rating  ENVIRONMENTAL SPECIFICATIONS  CORE and standards  NEC Article 62.5, 8.6 J1772, C5A C22.1, LL, ENERGY STAR  UL 2594, UL 2251, UL 2251-, UL 1989, UL 991, UL 840, UL 746C  Safety compliance  Safety compliance  CSA C22.2 No. 0, CSA C22.2 No. 0, LC CSA C22.2 No. 0, LC CSA C22.2 No. 1, C22.2 No. 2812, CSA C22.2 No. 2	Maximum output power	19.2 kW
### ### ### ### ### ### ### ### ### ##	Output connector type	SAE J1772
Enclosure dimensions (L • W • D)         2 L9 * 17.0" * 11.4" (S57 mm * 432 mm * 290 mm)           Weight         36.4 los (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 12°F (-40°C to 80°C)           Storage temperature         -40°F to 176°F (-40°C to 80°C)           Enclosure rating         NEMA Type 3R           COMPLIANCE SPECIFICATIONS           COMPLIANCE SPECIFICATIONS           ENG OF SPECIFICATIONS           Series of Specifications           COSA C22.2 No. 0, CSA C22.2 No. 0, 2, CSA C22.2 No. 0, 2, CSA C22.2 No. 280-13, CSA C22.2 No. 2811, CSA C22.2 No. 2812, CSA C22.2	Output cable length	25 ft (7.6 m)
Weight 6.5 kg lb 16.5	MECHANICAL DATA	
Enciosure mounting Wall or pedestal mounted (pedestal sold separately)  Environment rating Indoor and outdoor-rated Operating temperature 1-22°F to 122°F (-30°C to 50°C) Storage temperature 1-40°F to 176°F (-40°C to 80°C) Storage temperature 1-40°F to 176°F (-40°C to 80°C) Storage temperature 1-40°F to 176°F (-40°C to 80°C)  Enclosure rating 1-80°C WALL STORAGE SPECIFICATIONS  COMPLIANCE SPECIFICATIONS  Codes and standards NEC Article 625, SAE J1772, CSA C22.1 LUL, ENERGY STAR  UL 2594, UL 2251, UL 2231-LU 2231-2, UL 1998, UL 991, UL 840, UL 746°C  Safety compliance 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. 281.2, CSA C22.2 No. 281.2 CSA C22.2 No. 2	Enclosure dimensions (L × W × D)	21.9" × 17.0" × 11.4" (557 mm × 432 mm × 290 mm)
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 628, S&E J1772, CSA C22.1, UL, ENERGY STAR UL 2594, UL 2251-UL 2231-1, UL 2231-2, UL 1998, UL 941, UL 746C  Safety compliance CSA C22.2 No. 0, CSA C22.2 No. 0.2, CSA C22.2 No. 28.13, CSA C22.2 No. 28.11, CSA C22.2 No. 28.12, CSA C22.2 No. 28.12, CSA C22.2 No. 28.13, CSA C22.2 No. 28.12, CSA C22.2 No. 28.14, CSA C22.2 No. 28.12, CSA C22.2 No. 28.14, CSA C22.2 No. 28.15, CSA C22.	Weight	36.4 lbs (16.5 kg)
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 UL 2594, UL 2251-U, U. 2251-U, U. 2251-2, UL, 1998, UL 991, UL 840, UL 746C Safety compliance CSA C22.2 No. 0, CSA C22.2 No. 0.2, CSA C22.2 No. 0.4, C22.2 No. 280-15, CSA C22.2 No. 2811, CSA C22.2 No. 2812, CSA C22.2 No. 282 EMC compliance FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN Short-circuit protection Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault detection Features a continuous earth ground monitor to ensure consistent connection to good earth ground FEATURES  FOUR LED indicators Amber LED: Power, Green LED: Charging, 1° Red LED: Power fault, 2°d Red LED: Charging fault Field-replaceable components COSMOS¹ allows external inputs from building energy management or other load acontrol devices to enable four levels of power control of 100%, 50%, 50%, 50%, 50%, 50%, 50%, 50%,	Enclosure mounting	Wall or pedestal mounted (pedestal sold separately)
Storage temperature	ENVIRONMENTAL SPECIFICATIONS	
Storage temperature Enclosure rating NEMA Type 3R  COMPLIANCE SPECIFICATIONS  Codes and standards NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGY STAR UL 2594, UL 2251, UL 2251-1, UL 2251-2, UL 1998, UL 991, UL 840, UL 746C Safety compliance CSA C22.2 No. 0, CSA C22.2 No. 0, CSA C22.2 No. 0.4, C22.2 No. 280-13, CSA C22.2 No. 2811, CSA C22.2 No. 2812, CSA C22.2 No. 282  EMC compliance FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN Short-circuit protection Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault detection Features a continuous earth ground monitor to ensure consistent connection to good earth ground Ground fault detection Features  FEATURES  Four LED indicators Amber LED: Power, Green LED: Charging, 1º Red LED: Power fault, 2º Red LED: Charging fault Field-replaceable components COSMOS' allows external inputs from building engry 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 Share? 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	Environment rating	Indoor and outdoor-rated
Enclosure rating  COMPLIANCE SPECIFICATIONS  Codes and standards  NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGY STAR  UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1996, UL 991, UL 840, UL 746C  Safety compliance  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. 2811, CSA C22.2 No. 2812, CSA C22.2 No. 282  EMC compliance  FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN  Short-circuit protection  Features a continuous earth ground monitor to ensure connection to good earth ground  Ground fault detection  Features a continuous earth ground monitor to ensure connection to good earth ground  Ground fault detection  Features a continuous earth ground automatically after clearing a minor power fault  FEATURES  Four LED indicators  Amber LED: Power, Green LED: Charging, 1" Red LED: Power fault, 2" Red LED: Charging fault  Field-replaceable components  COSMOS' 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.  SKU  CS-100-C16-L25-107  240 VAC, 80 A CS-100 with 25 ft output J1772 cable, Enphase branded	Operating temperature	-22°F to 122°F (-30°C to 50°C)
Codes and standards  NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGY STAR  UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991, UL 840, UL 746C  Safety compliance  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. 2811, CSA C22.2 No. 2812, CSA C22.2 No. 282  EMC compliance  FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN  Short-circuit protection  Features a continuous earth ground monitor to ensure consistent connection to good earth ground  Ground fault detection  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, 1st Red LED: Power fault, 2st Red LED: Charging fault  Field-replaceable components  COSMOS' 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 CCSMOS Share2 feature.  SKU  CS-100-C16-L25-107  240 VAC, 80 A CS-100 with 25 ft output J1772 cable, Enphase branded  WARRANTY	Storage temperature	-40°F to 176°F (-40°C to 80°C)
NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGY STAR  UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991, UL 840, UL 746C  Safety compliance  CSA C22.2 No. 0, CSA C22.2 No. 0.2, CSA C22.2 No. 0.4, C22.2 No. 280-15, 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  Short-circuit protection  Features a continuous earth ground monitor to ensure consistent connection to good earth ground  Ground fault detection  Frequency and standard operation automatically after clearing a minor power fault  FEATURES  Four LED indicators  Amber LED: Power, Green LED: Charging, 1th Red LED: Power fault, 2th Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  COSMOS¹ 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 charge-Guard 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	Enclosure rating	NEMA Type 3R
UL 2594, UL 2251-I, UL 2231-I, UL 1998, UL 1991, UL 840, UL 746C  Safety compliance  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>th</sup> Red LED: Power fault, 2 <sup>th</sup> Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS' 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  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	COMPLIANCE SPECIFICATIONS	
Safety compliance  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. 2811, 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>st</sup> Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS' 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  COSMOS Share2 feature  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	Codes and standards	NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGY STAR
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, 1st Red LED: Power fault, 2st Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS¹ 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		UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991, UL 840, UL 746C
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 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, 1st Red LED: Power fault, 2st Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS' 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	Safety compliance	
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, 1th Red LED: Power fault, 2th Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS¹ 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	EMC compliance	FCC Part 15 Class B, 47 CFR Part 15, RSS-247, and RSS-GEN
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, 1th Red LED: Power fault, 2th Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS¹ 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	Short-circuit protection	5,000 RMS Symmetrical Amps at 240 VAC
Auto-reclosure  The system resumes standard operation automatically after clearing a minor power fault  FEATURES  Four LED indicators  Amber LED: Power, Green LED: Charging, 1st Red LED: Power fault, 2std Red LED: Charging fault  Contact Enphase Support to order field replaceable components for the EV charger  COSMOS¹ 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	Open safety ground detection	Features a continuous earth ground monitor to ensure consistent connection to good earth ground
FEATURES  Four LED indicators  Amber LED: Power, Green LED: Charging, 1st Red LED: Power fault, 2nd Red LED: Charging fault  Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  Load management  COSMOS¹ 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	Ground fault detection	Ground fault protection integral, CCID 20 mA, auto reset
Four LED indicators  Amber LED: Power, Green LED: Charging, 1st Red LED: Power fault, 2nd Red LED: Charging fault  Contact Enphase Support to order field replaceable components for the EV charger  COSMOS¹ 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	Auto-reclosure	The system resumes standard operation automatically after clearing a minor power fault
Field-replaceable components  Contact Enphase Support to order field replaceable components for the EV charger  COSMOS¹ 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  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	FEATURES	
Load management  COSMOS¹ 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 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	Four LED indicators	Amber LED: Power, Green LED: Charging, 1st Red LED: Power fault, 2nd Red LED: Charging fault
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	Field-replaceable components	Contact Enphase Support to order field replaceable components for the EV charger
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	Load management	
SKU  CS-100-C16-L25-107  240 VAC, 80 A CS-100 with 25 ft output J1772 cable, Enphase branded  WARRANTY	Load sharing	
CS-100-C16-L25-107 240 VAC, 80 A CS-100 with 25 ft output J1772 cable, Enphase branded WARRANTY	Access control	
WARRANTY	SKU	
	CS-100-C16-L25-107	240 VAC, 80 A CS-100 with 25 ft output J1772 cable, Enphase branded
Warranty period 3-year limited warranty	WARRANTY	
	Warranty period	3-year limited warranty

## 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.