



SCH100 EV Charger

Sun Country Highway's most powerful Level 2 EV charger, the SCH100 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 product is designed to easily integrate with existing energy management or access control systems to provide load control and access control features. Two SCH100s 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.
- Backed by an industry-leading 3-year warranty and superior customer support.
- Field replaceable components minimize downtime and extend station life.



SCH100 Series

ELECTRICAL SPECIFICATIONS		SCH100 (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 × W × 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 and 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 3R watertight		
COMPLIANCE SPECIFICATIONS			
Codes and standards	NEC Article 625, SAE J1772, CSA C22.1, UL, ENERGYSTAR		
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 st Red LED: Power fault, 2 nd Red LED: Charging fault		
External control input for load management	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%)		
Optional load-sharing	Ease circuit-breaker requirements by allowing two charging stations to share power from a single circuit breaker using the Share2 feature.		
Optional access control	Restrict access to the charging station using the ChargeGuard EX feature, a simple interface that connects to an external access control system.		
Field-replaceable components	Contact Sun Country Highway Support to order field replaceable components for the EV charger.		
SKUs		PRODUCT DESCRIPTION	
SCH-100	240 VAC, 80 A SCH100 with 25 ft output J1772 cable, Sun Country Highway branded		
WARRANTY			
Warranty period	3-year		



Sales and Inquiries:
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