



## EV40 EVSE

The high-powered, robust EV40 EV supply equipment (EVSE) is built and tested to automaker standards to provide safe and reliable Level 2 charging for residential and commercial settings.

The 25-foot charging cable allows for flexible installation and ease-of-use and can be neatly stowed away using the integrated cable wrap and wall-mounted J1772 holster.

The tough NEMA 4 rated enclosure ensures you can install this unit indoors or outdoors with confidence. Ruggedized charging cables also help the charger to resist everyday wear-and-tear.



### Convenient

- High-powered, Level 2 EV charging station charges your car up to six times faster than the cord set that came with your electric vehicle
- Includes wall mounted J1772 connector holster
- Industry-leading 25-foot charging cable
- Integrated cable wrap helps to neatly stow away the cable cord when not in use
- LED lights indicate EVSE status

### Durable

- Impact and crush resistant SAE J1772 connector
- Type 4X watertight and corrosion-resistant rubber over-molded EV connector
- Rugged, fully sealed NEMA 4 station enclosure for indoor/outdoor installations

### Reliable

- Provides up to 32 A charging to all J1772-compatible EVs\*
- Backed by a 5-year warranty and an outstanding customer service experience with Sun Country Highway
- Comprehensive safety and efficiency compliance and certifications, including ENERGY STAR® Certified and ETL listing



# EV40 Series

ELECTRICAL SPECIFICATIONS	EV40 (HARD-WIRED)	EV40 (PLUG-TYPE)
Input voltage/Input voltage range	208/240 VAC (L-L), single-phase/185 VAC – 264 VAC	
Input voltage frequency	50/60 Hz	
Circuit breaker requirement	Dedicated, 2-pole 40 A	
Input cable type	Pre-wired with: (L1, L2, Gnd) 10 AWG service whip	Pre-wired with: NEMA 14-50P
Input cable length	3' (914.4 mm)	12' (304.8 mm)
Maximum output current/Output power	32 A continuous/7.7 kW	
Output cable/Cable length	Pre-wired with SAE J1772/25' (7.6 m) or 18' (5.5) <sup>1</sup>	
MECHANICAL DATA		
Enclosure dimensions (L × W × D)	19.7" × 8.9" × 5.3" (500 mm × 226 mm × 135 mm)	
Weight	13.5 lbs. (6.1 kg)	
Enclosure mounting	Wall or pedestal mounted (pedestal sold separately)	
ENVIRONMENTAL SPECIFICATIONS		
Environment/Enclosure rating	Indoor and outdoor rated/NEMA Type 4 - watertight	
Operating/Storage temperature	-22°F to 122°F (-30°C to 50°C)/-40°F to 176°F (-40°C to 80°C)	
COMPLIANCE SPECIFICATIONS		
Codes and standards	NEC Article 625, SAE J1772, ENERGY STAR <sup>®</sup> , UL, NOM	
Safety compliance	UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991 C22.2 No. 280-13, CSA C22.2 No. 282, CSA C22.2 No. 281.1, CSA C22.2 No. 281.2, CSA C22.2 No. 0.8 NOM-001-SCFI-2018	
EMC compliance	FCC Part 15 Class B	
Short-circuit protection	5000 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	System will automatically resume standard operation after minor power fault has cleared	
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	
Optional cable management	Retractable output cable available for 18' option <sup>1</sup> (cable retractor sold separately)	
Warranty	5-year	
SKUs	PRODUCT DESCRIPTION	
EV40R	32 A charging, 240 VAC, 10 AWG service, 18' 10 AWG ruggedized J1772 connector	
EV40PR	32 A charging, 240 VAC, NEMA 14-50 plug, 25' 10 AWG ruggedized J1772 connector	

(1) The standard 25' cable can be replaced with an 18' cable. The 18' cable can be paired with a cable retractor for a better cable management experience.



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