

TurboEVC™ Series

Level 2 Electric Vehicle Charger

Project	Date
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Catalog Number	Type
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EV charger shown mounted to a pedestal.



Product Overview

The electric vehicle generation has arrived. Is your company ready for it? With the TurboEVC™ Series Charging Station, you'll have the perfect plug-and-play solution that's flexible to accommodate both on-site guests and your own fleet of electric vehicles.

The TurboEVC Series of Level2 electric vehicle charging stations are built network-ready for back-end management and come standard with RFID card readers for user identification. With a versatile ergonomic design, it can be mounted to a wall or pedestal while providing a 32A charge current. TurboEVC allows you to easily add electric vehicle charging as an added benefit to hospitality, offices, municipalities, and many other commercial properties.

Product Applications

- Commercial EV Fleet
- Business Campus
- Hospitality/Public Venues
- Healthcare Facilities
- Industrial Facilities
- Manufacturing Facilities
- Educational Facilities
- Auto Dealerships
- Gas Stations
- Multi-Family Dwellings
- Municipalities
- Commercial Facilities

Product Certifications/Approvals

- UL Listed.
- Suitable for Wet Locations.
- NEMA 3R Rated Enclosure.
- RoHS Compliant.



Key Features

- The best-in-class Level 2 EV charger for commercial properties that need a flexible solution for rising demand.
- Wall or pedestal mounting configurations work within your circuit capacity to reduce installation costs.
- Reliable indoor or outdoor performance with virtually no maintenance.
- Stylish, ergonomic design that integrates well with existing architecture.

Electrical

- 200-240VAC Single Phase; 50Hz/60Hz.
- 32A Maximum Input/Output Current.
- OTP, Relay Welding Detection, CCID Self-Test, MCU Function Fault Detection
- Input Side: UVP, OVP, Surge, Ground Fault.
- Output Side: OCP, Pilot Fault, Residual Current Protection.
- Operating Temperature: -30°C to 50°C (-22°F to +122°F).

Construction

- Enclosure helps to protect internal components from environmental conditions (NEMA 3R).
- SAE J1772™ (Type 1) Electric Vehicle Conductive Charge Coupler.
- Dimensions: 10.2 in. x 3.9 in. x 11 in.
- Weight: ≤ 11 lbs.
- Cable Length: 16 ft.

Communication

- Interface: RFID (ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™ 1, NFC, Mifare).
- External: LAN, LAN+4G or Wi-Fi
- Internal: OCPP 1.6 JSON Compliant
- Optional OCPP-compliant back-end management software available.¹

Mounting

- Wall mounted or pedestal. Consult factory for more information on installation.

Warranty

- Backed by National LED's Two-Year Warranty.

Ordering Information

Series	Variant	Comms	Mounting	Cables
1	Standard	1 LAN	1 Wall Mount	S Standard 16 ft.
		2 4G		
		3 Wi-Fi	2 Pedestal	C Custom

Example: USEV-1-2-1-S

1. OCPP-compliant software for managing EV charging stations sold separately. For more information, please consult factory.

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NationalLED

Product Specifications

AC INPUT	Input Rating	208-240 VAC / 1-Phase (AC Level 2)
	AC Input Connection	L1/L2/GND
	Max. Input Current	32A
	Frequency	50Hz/60Hz
	Residual Current Device (Type B Optional)	CCID 20
USER INTERFACE & CONTROL	User Authentication	RFID (ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™, NFC, Mifare)
COMMUNICATION	External	LAN (Standard) / 4G (Optional) / Wi-Fi (Optional)
	Internal	OCPP 1.6 JSON Compliant
ENVIRONMENTAL	Operating Temperature	-30°C to 50°C (-22°F to +122°F)
	Humidity (%)	Maximum 95 RH
	Altitude	≤ 6562 ft.
	IP Level	NEMA Type 3R
	Cooling Method	Natural Cooling
MECHANICAL	Dimensions (WxDxH)	10.2 in. x 3.9 in. x 11 in.
	Weight	≤ 11 lbs.
	Cable Length	16 ft.
PROTECTION	Input Side	UVP, OVP, Residual Current Detection, Surge Protection, Ground Fault
	Output Side	OTP, Relay Welding Detection, MCU Function Fault Detection
	Internal	Lost Input Ground Connection
REGULATION	Certificate	UL2594 , UL2231-1/-2
	Safety	UL/cUL
	Charging Interface	SAE J1772™ Type 1 Plug