

# TurboEVC™ Series

## Level 2 Electric Vehicle Charger



USEV-P5  
Single Unit  
Pedestal Mount



USEV-P2  
Double Unit  
Pedestal Mount



### Key Features

- The best-in-class Level 2 EV charger for commercial properties that need a flexible solution for rising demand.
- 5" LCD screen with user-friendly interface.
- Continuous firmware updates through remote connection.
- Stylish, ergonomic design that integrates well with existing architecture.
- Wall or pedestal mounting configurations.

### Electrical

- 200-240VAC Single Phase; 50Hz/60Hz.
- 32A maximum input/output current.
- OTP, Relay Welding Detection, MCU Function Fault Detection.
- Input Side: UVP, OVP, Surge, Ground Fault.
- Output Side: OCP, Control 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: 11.4 in. x 4.7 in. x 16.1 in.
- Weight: ≤ 17.6 lbs. (with plug).
- Cable Length: 16 ft. standard.

### Communication

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

### Mounting

- Wall mounting (standard) or with pedestal accessory. Consult factory for more information.

### Warranty

- Backed by US LED's Three-Year Warranty.

Project \_\_\_\_\_ Date \_\_\_\_\_

Catalog Number \_\_\_\_\_ Type \_\_\_\_\_

### 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.

US LED's 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

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



### Ordering Information

Example: USEV-2-3-1-S

USEV				
Series	Variant	Comms	Mounting	Cables
	2 LCD Display Screen	1 LAN 3 Wi-Fi & LAN	1 Wall Mount	S Standard 16 ft. C Custom 23 ft.

Accessories	
USEV-P5	Level 2 Single Unit Pedestal Mount
USEV-P2	Level 2 Dual Unit Pedestal Mount

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

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### Product Specifications

AC INPUT	Input Rating	208-240 VAC / 1-Phase (AC Level 2)
	AC Input Connection	L1/L2/GND
	Input Current	32A
	Frequency	50Hz/60Hz
AC OUPUT	Output Current	32A
USER INTERFACE & CONTROL	Display	5" LCD Screen
	User Authentication	RFID (ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™, NFC, Mifare)
COMMUNICATION	External	LAN or Wi-Fi + LAN
	Internal	OCPP 1.6 JSON Compliant
ENVIRONMENTAL	Operating Temperature	-30°C to 50°C (-22°F to +122°F)
	Humidity (%)	Maximum 90% RH
	Altitude	≤ 6562 ft.
	IP Level	NEMA Type 3R
	Cooling Method	Natural Cooling
MECHANICAL	Dimensions (WxDxH)	11.4 in. x 4.7 in. x 16.1 in.
	Weight	≤ 17.6 lbs. (with plug)
	Cable Length	16 ft. standard
PROTECTION	Input Side	UVP, OVP, Surge Protection, Ground Fault
	Output Side	OCP, Control Pilot Fault, Residual Current Protection
	Internal	OTP, Relay Welding Detection, MCU Function Fault Detection
REGULATION	Certificate	UL2594 , UL2231-1/-2
	Safety	UL/cUL
	Charging Interface	SAE J1772™ Type 1 Plug

# TurboEVC™ Series

## Level 2 Electric Vehicle Charger



### Product Accessories

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**USEV-P5** Level 2 Single Unit Pedestal Mount

**USEV-P2** Level 2 Dual Unit Pedestal Mount

### Overview

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The USEV-P5 and USEV-P2 pedestal mounts are compatible with all US LED Level 2 electric vehicle charging stations. Allows for one or two electric vehicle charging stations to be efficiently mounted on a single pedestal to save on installation cost and spacing. These pedestal mounts are ideal for fleet depots, auto dealerships, business campuses, retail, and other commercial properties where wall mounting isn't available.

### Key Features

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- Pedestal mounts are engineered for stability and durability for any outdoor environment.
- Integrated back door on the dual pedestal mount (US-EVP2) allows access for maintenance.
- Main body steel construction is protected by a standard corrosion-resistant powder coat finish.
- Finish is pre-painted white standard.
- Pre-drilled holes for easy mounting.