

TurboEVC™ 30kW

Ultra-Fast DC Electric Vehicle Charger



Key Features

- Ultra-fast DC charging units with IP55 protection and IK10 vandal-proof casing.
- Multi-standard: CCS1 & CHAdeMO.
- Network or standalone operation.
- 7" LCD screen with user-friendly interface.
- Secure RFID or mobile app authentication that allows easy access for EV drivers.
- Supports smart charging and load balancing.
- OCPP 1.6 JSON compliant

Electrical

- 480VAC Three Phase; 50Hz/60Hz.
- 30kW maximum output power (DC).
- PF: >0.99 (APFC)
- Efficiency ≥ 94%
- Operating Temperature: -30°C to 50°C (-22°F to +122°F).

Mounting

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

Construction

- CHAdeMO compliant high-power charger connectors standard.
- Dimensions: 24 in. x 9 in. x 27 in.
- Net Weight: Single plug 176 lbs. or dual plug 194 lbs.
- Cable Length: 16 ft. standard; 23 ft. optional.
- Cable management system provides the appropriate reach while keeping cables off the ground in between use.

Communication

- Interface: RFID supports ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™ Lite-S, OCPP, 2D barcode, APP, & mobile payment.
- External: Ethernet, 4G, and Wi-Fi
- Optional OCPP-compliant back-end management software available.¹

Warranty

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

Project	Date
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Catalog Number	Type
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Product Overview

Drive more traffic to your property with the next level of charging! With TurboEVC, you'll have industry-leading DC fast charging technology that meets the needs of electric vehicles today and is ready to satisfy more demand tomorrow.

The new TurboEVC Level 3 DC fast chargers facilitate convenient charging of all electric vehicle models, including those with high voltage battery systems. They are ideal for applications needing to serve the public and fleets, including cars, buses, and trucks. TurboEVC is perfect for locations looking to add the benefit of electric vehicle charging, including retailers, fueling stations, convenience stores, and logistics companies.

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

- ETL Listed.
- Suitable for Wet Locations.
- IP55 Rated Enclosure.
- RoHS Compliant.



Ordering Information

Example: USEV-3-30-1-2-S-1

USEV												
Series	Generation	kWs	Comms	Mounting	Cables	Connectors						
	3	Level 3 DC Fast Charge	30	30kW	1	Ethernet, WiFi and 4G	1	Wall Mount	S	Standard 16 ft.	1	CCS1 and CHADEMO
				2	Pedestal	L	23 ft.					

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	3Φ 480VAC (+10%, -15%)
	AC Input Connection	3P+N+PE (Wye Configuration), TN/TT
	Max. Input Current	3Φ40A (Typ. ±1%)
	Frequency	50Hz/60Hz
	Power Factor	>0.99 @ full load
	Efficiency	≥ 94%
DC Output	Output Voltage Range	CHAdEMO:150~500Vdc CCS1:150~950Vdc
	Max. Output Current	CHAdEMO/CCS1:60A@500Vdc CCS1:31.5A@950Vdc
	Max. Output Power	30kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
USER INTERFACE & CONTROL	Display	7" LCD Screen
	Push Buttons	Operation Buttons
	User Authentication	RFID: Support ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™ Lite-S (RCS966), OCPP, 2D Barcode, APP, Mobile Payment
COMMUNICATION	External	Ethernet / 4G / WiFi
	Internal	CAN bus/RS485
ENVIRONMENTAL	Operating Temperature	-30°C to 50°C (-22°F to +122°F) Power Derating From 50°C and Above
	Humidity (%)	5%~95% RH, Non-Condensing
	Altitude	≤ 6562 ft.
	IP Level	IP55/IK10 (Non Including Screen and RFID Module)
	Cooling Method	Fan Cooling
MECHANICAL	Dimensions (WxDxH)	24 in. x 9 in. x 27 in.
	Weight	Single Plug: 176 lbs. ±1% / Dual Plugs: 194 lbs. ±1%
	Cable Length	16 ft. standard; 23 ft. optional
PROTECTION	Input Side	OVP, OCP, OPP, OTP, UVP, RCD, SPD
	Output Side	OCP, OVP, UVP, OTP, IMD
REGULATION	Certificate	UL2202 , UL2231-1/-2
	Safety	NRTL - ETL
	Charging Interface	CCS1, CHAdEMO V1.2