



evesco
ELECTRIC VEHICLE ENERGY STORAGE COMPANY

480 kW Distributed Charging System



Flexible and scalable distributed EV charging solutions for public, commercial and fleet applications.

Features

High-Efficiency Performance

- Delivers up to 96% energy efficiency, reducing operational losses and cutting energy costs for improved long-term ROI.

Ultra-High Power Charging

- With a total output of 480 kW and full power available on a single dispenser, this charger meets the demands of next-generation EVs.

Robust Power Output

- Sustains up to 500A of charging current without drop-off, ensuring consistent, high-speed charging even for heavy-duty electric vehicles.

Modular, Scalable Architecture

- Supports up to six connectors, including dual-dispenser units, for flexible deployment across multiple bays and simultaneous multi-vehicle charging.

Certified for Compliance

- Meets UL, FCC, OCA, RCM, CTEP, and NTEP standards, supporting accurate energy metering and regulatory alignment for public charging deployments.

Versatile Start-Up Modes

- Supports RFID, OCPP, QR code, or optional credit card reader, allowing site operators to choose the most convenient and secure method for user access.

BABA Compliant

- Fully compliant with Buy America Build America (BABA), supporting U.S. infrastructure initiatives without sacrificing quality or performance.



Specifications

SPECIFICATIONS	
	POWER BANK SPECIFICATIONS
RATED OUTPUT POWER	360 kW / 480 kW
SUPPLY INPUT	480 Vac (+/- 10%) 60 Hz (3P + PE)
DC OUTPUT VOLTAGE	200 - 1000 Vdc
POWER FACTOR	0.99
THDI	≤5%
PEAK EFFICIENCY	≥96%
MAXIMUM OUTPUT QUANTITY	6 connectors (3 dispensers)
PROTECTION	Class I
OVER-VOLTAGE CATEGORY	OVC III
OPERATIONAL ALTITUDE	< 6562 ft (2000 m)
NOISE LEVEL	<80 dB
OPERATING TEMPERATURE	-13°F (-25°C) to 122°F (50°C)
HUMIDITY	5% - 95% Rh non-condensing
PROTECTION RATINGS	NEMA 3R / IK10
DIMENSIONS W x D x H	1400 x 1000 x 2100 mm 55.1 x 39.4 x 82.7 in
WEIGHT	~ 870 kg ~ 1918 lb
	EV CHARGING DISPENSER SPECIFICATIONS
OUTPUT VOLTAGE	200 - 1000 Vdc
RATED OUTPUT POWER	up to 480 kW
MAX. CURRENT PER CONNECTOR	CCS1 (air cooling) 350 A CCS1 (liquid cooling) 500 A NACS (air cooling) 350 A
CONNECTOR CONFIGURATIONS	350 A + 350 A; 500 A + 500 A; 350 A + 500 A
CHARGING CABLE LENGTH	16.4 foot (5 meters) - optional increased lengths available
DISPLAY SCREEN	15 inch touchscreen
START-UP MODE	RFID, QR Code, OCPP and optional POS terminal
NETWORK CONNECTIVITY	Ethernet, Wi-Fi, 4G
PROTECTION RATINGS	NEMA 3R / IK10
COMMUNICATION PROTOCOL	OCPP 1.6 J
DIMENSIONS W x D x H	450 x 750 x 2100 mm 17.7 x 29.5 x 82.7 in
WEIGHT	~ 220 kg ~ 485 lb
CERTIFICATION	cTUVus, FCC, CTEP&NETP, OCA



Contact us at evesco@power-sonic.com to learn how EVESCO can help accelerate your electric vehicle charging initiatives.