



480 kW

ULTRA-FAST DC CHARGING



Liquid-Cooled

SUSTAINED PEAK POWER



CCS1 + NACS

DUAL CONNECTORS · 2 EVs



OCPP 2.0.1

NETWORKED &
REMOTE-MANAGED



55" Advertising Display



3 LCDs, 2 POS Terminals

PRODUCT OVERVIEW

Model	EVH480
Type	Liquid-Cooled DC Fast Charger (optional)
Configuration	Dual-connector · charges 2 EVs
Connectors	CCS1 + NACS

AC INPUT

Rated Voltage	480 Vac
Rated Current	620 A (Note: this charger has derating and smart charging capability to operate at lower ratings)
Distribution	3P+N+PE / 3P+PE
Grid Compatibility	TN-S, IT
Frequency	60 Hz
Power Factor	≥ 0.98
Efficiency	≥ 95% (peak)

DC OUTPUT

Voltage Range	200 Vdc – 1000 Vdc
Rated Current	600 A × 2 (dual connectors)
Rated Power	480 kW (maximum)
Connectors	CCS1 + NACS (dual)
Output Mode	Dual: 120 / 240 / 360 kW per connector · Single: up to 480 kW

PROTECTION FEATURES

Input	SCP, OVP, OCP, OPP, UVP, SPD
Output	SCP, OCP, OVP, LVP, OTP, IMD
Internal	OTP, DC contactor detect, fuse
Isolation	Galvanic input–output isolation

USER INTERFACE & CONTROL

Touch Screens	2 × 10.1" LCD (one per side)
Ad Screen	55" LCD — online/offline, remote
Emergency	E-stop button
Start Methods	QR scan, RFID tap, POS
RFID	ISO/IEC 14443
Communication	Ethernet, Wi-Fi, 4G
Protocol	OCPP 2.0.1

PAYMENT / POS (Optional: Nayax)

POS Terminals	2 × credit-card terminals
Payment	Bank card, NFC, mobile pay
Communication	4G / Ethernet
Protection	IP54

AT A GLANCE

- › 480 kW · liquid-cooled for sustained peak output
- › Dual CCS1 + NACS — charge two EVs simultaneously
- › Two 10.1" touch screens & two credit-card POS
- › OCPP 2.0.1 · RFID 14443 · UL listed · NEMA 3R

ENVIRONMENTAL CONDITIONS

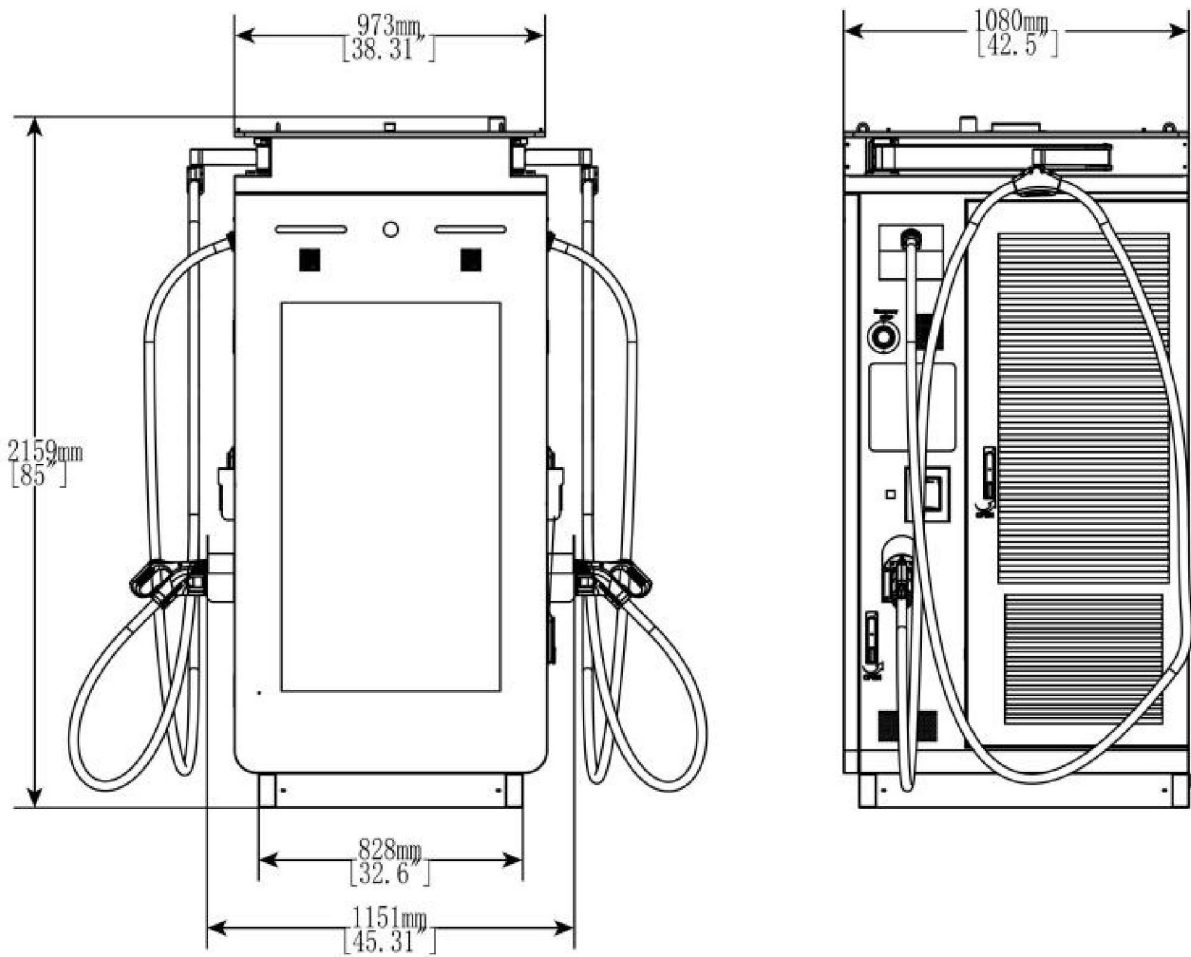
Operating Temp.	–22°F – 122°F (–30°C – 50°C)
Storage Temp.	–22°F – 158°F (–30°C – 70°C)
Relative Humidity	5% – 95% RH, non-condensing
Altitude	≤ 6560 ft (2000 m)
Touch Current	≤ 3.5 mA

MECHANICAL SPECIFICATIONS

Net Weight	2,315 lb (1050 kg)
Gross Weight	2,645 lb (1200 kg)
Dimensions (W×D×H)	45.3" × 42.5" × 85" (1151 × 1080 × 2159 mm)
Cable Length	16.4 ft (5 m)
Connectors	CCS1 + NACS (dual)
Cooling	Liquid-cooled cable + fan-cooled modules
Installation	Floor-standing
Enclosure	NEMA Type 3R
Impact Rating	IK10 (excl. LCD & RFID panel)

CERTIFICATIONS & STANDARDS

Safety	UL 2202, CSA C22.2 #346, UL 2231-2, UL 50E, UL 991, UL 1998
EMC	UL 2231-2
Enclosure	UL 50E (NEMA Type 3R)
Other	ETL, Energy Star, FCC & IC



DIMENSIONS

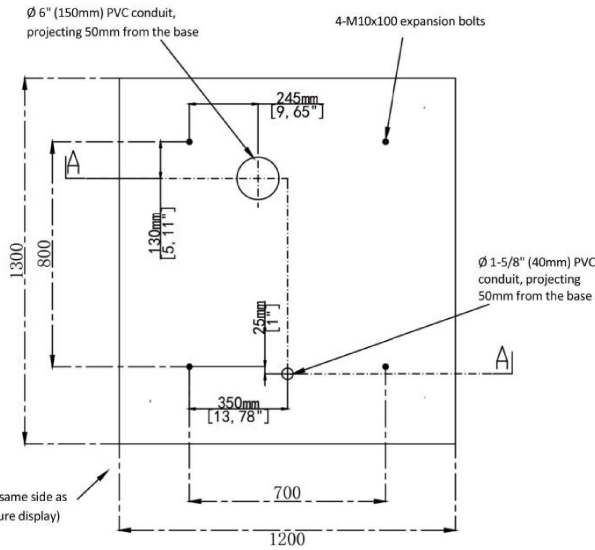
PRODUCT DIMENSIONS

Width (W)	45.3" (1151 mm)*
Depth (D)	42.5" (1080 mm)
Height (H)	85" (2159 mm)
Net Weight	2,315 lb (1050 kg)
Gross Weight	2,645 lb (1200 kg)

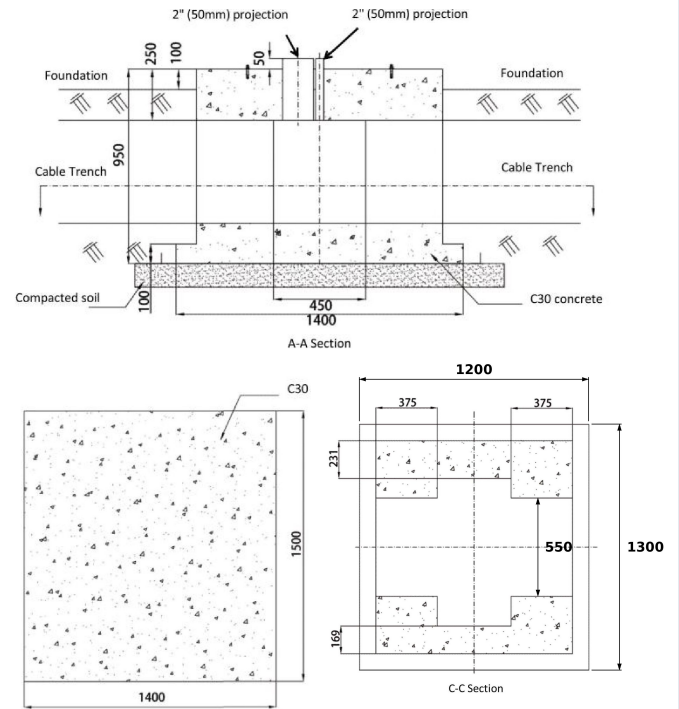
SHIPPING & INSTALL

DC Cable Length	16.4 ft (5 m)
Packaging	51.2" × 44.9" × 91.1"
Base (above fdn.)	47.24" × 51.18" × 3.94"
Clearance	≥ 5 ft Sides & Front, ≥ 2 ft Back
Installation	Floor-standing

* Width of 1151 mm includes the connector holder.



BASE TOP VIEW — CONDUIT LAYOUT



PEDESTAL BASE — SECTIONS A-A / B-B / C-C

INSTALLATION CONDITIONS

Load-Bearing	Unit 2,315 lb (1050 kg) · forklift must be OSHA-rated with safety margin
Installation Height	Base thickness 31.5" (800 mm) · levelness $\leq 3^\circ$
Electrical	Dedicated circuit, 1000 A breaker recommended · cable $6 \times 300 \text{ mm}^2 + 1 \times 120 \text{ mm}^2$ (Informational Only. Please confirm with Licensed Elec.Eng)
Environmental	Clearance $\geq 6.5 \text{ ft}$ (2 m) all sides · avoid severe weather & flammable materials
Grounding	Ground resistance $< 4 \Omega$ · 480Y/277V systems require neutral (N) for receptacles
Conduit	Ø6" (150 mm) main + Ø1-5/8" (40 mm) secondary PVC, projecting 50 mm · 4 × M10×100 bolts (Informational only. Please confirm with licensed Elec.Eng)



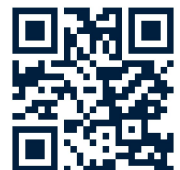
DYNACHRG



Email
sales@dynachrg.ai



Website
www.dynachrg.ai



SCAN TO VISIT

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