

DC CLUSTER · 120–360 kW · WORKHORSE

FALCÃO

Workhorse DCFC — 120 to 360 kW buffered cluster

For NEVI-aligned corridors, fleet hubs, retail forecourts

FALCÃO is the workhorse DCFC family. 120, 180, 240, or 360 kW per dispenser, 1 to 12 ports per cluster. NEVI-aligned for highway corridor deployments. Liquid-cooled at 240 kW and above. Buffered on the XEYAR shared DC bus with DRACO ESS sized to the port count and use profile.

Available configurations

SKU	Configuration
FAL120-B80N-2C	2 ports · 120 kW · 80 kWh Na-ion / 100 SC
FAL180-B120N-2C	2 ports · 180 kW · 120 kWh Na-ion / 150 SC
FAL240-B150N-2C	2 ports · 240 kW · 150 kWh Na-ion / 200 SC
FAL360-B225N-2C	2 ports · 360 kW · 225 kWh Na-ion / 300 SC

Battery-buffered EV chargers built on the patented XEYAR shared DC-bus architecture. Grid input and battery discharge are simultaneous and additive — not sequential — letting a standard 100 A electrical service drive high-power EV charging without a transformer upgrade. eMÖTEN CMS guarantees 50% of nameplate per active port, 2x the industry-standard equal-share rate, and is certified NEC 625.42(A) compliant for dynamic EVSE load management.

Three durable moats with every MÖTEN charger:

- ✓ Free shipping with every MÖTEN charger — delivered to your jobsite worldwide.
- ✓ eMÖTEN CMS included on all MÖTEN hardware — no monthly subscription.
- ✓ Patented XEYAR shared DC-bus architecture — not available from any other manufacturer.

FALCÃO — Configure your cluster.

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FALCÃO — Technical Specifications

Engineering reference. Project-specific configurations are sized by MÖTEN sales engineering and confirmed in the quote.

Power per dispenser	120, 180, 240, or 360 kW
Connector	CCS1, CCS2, NACS — dual cable per dispenser
Cable	15 ft standard; liquid-cooled 240+ kW
Enclosure	Outdoor IP55 cabinet + dispenser configs
Display	10" or 15" touchscreen, full-color
Authentication	Tap-to-pay, RFID, mobile app, Plug & Charge
Communications	OCPP 2.0.1 · ISO 15118 · Ethernet, 4G LTE, Wi-Fi
Cluster size	1, 2, 4, 6, 8, 10, 12, or 16 ports
Grid	100 A · 3-phase 480 V · 83.1 kW continuous
PCS	83.1 kW bidirectional, UL 1741
CMS	eMÖTEN included · NEVI-aligned reporting
Certifications	UL · UL 9540 3rd Ed. · UL 1741 · ETL · CSA · FCC · NEC 625.42(A) · NEVI-aligned
Operating temp	−40 °C to +65 °C
Warranty	3 years standard, extended available
30C eligibility	30C-ready (US census-tract dependent, before June 2026)

Certified · Compliant · Worldwide

UL · UL 9540 3rd Ed. · UL 1741 · ETL · cUL · CSA · FCC · ENERGY STAR · OCPP 2.0.1 · ISO 15118 · NEC 625.42(A) · NFPA 855 · IBC/IFC

Ready to deploy FALCÃO? Talk to engineering.

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