

OVERVIEW · DC FAST

Buffered DC Cluster

Up to 720 kW of DC fast charging on a 100 A service

For highway corridor · fleet hub · public DCFC · megawatt sites

Five DCFC families (PEGASUS, FALCÃO, SPHINX, KOMODO, MAVERICK) clustered around a DRACO ESS hub on the XEYAR shared DC bus. 30 kW to 720 kW per dispenser, all running off existing 100 A service. No transformer upgrade. Free shipping. Free eMÖTEN CMS. VPP-ready hardware.

720

kW · 100 A

No transformer upgrade.

Key specifications

POWER PER DISPENSER 30 kW to 720 kW	PORTS PER CLUSTER 1 to 12	GRID CONNECTION 100 A · 3-phase 480 V · 83.1 kW continuous
BATTERY RANGE 20–300 kWh (Na-ion or SuperCap)	CONFIGURATIONS 44 unique cluster combinations	OPERATING TEMP –40 °C to +65 °C, no HVAC

Where buffered clusters win

<p>Highway corridor</p> <p>KOMODO 720 · 4 dispensers · 100 A · NEVI-aligned</p>	<p>Fleet hub</p> <p>KOMODO 480 · 4-dispenser HD truck charging</p>
<p>Public DCFC</p> <p>SPHINX 240 · ultra-fast urban · MAP-listed sites</p>	<p>Workplace DC</p> <p>PEGASUS 30/40 · entry DCFC for moderate dwell</p>

Charger families available

Family	Power	Description	Tier
PEGASUS	30 / 40 kW	Workplace & small commercial	Entry
FALCÃO	120–360 kW	Workhorse DCFC	Workhorse

SPHINX	240 / 360 kW	Ultra-fast urban	Ultra-fast
KOMODO	240–720 kW	4-dispenser HPC hub	Megawatt
MAVERIC K	30 kW to 1 MW+	Custom engineered	Custom

Buffered DC Cluster — Configure & quote your site.

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Buffered DC Cluster — Technical Specifications

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

Charger families	PEGASUS · FALCÃO · SPHINX · KOMODO · MAVERICK
Power tiers	30, 40, 120, 180, 240, 360, 480, 720 kW (per dispenser)
Connector	CCS1 · CCS2 · NACS · CHAdeMO available
Cable length	Standard 15 ft, liquid-cooled options for >240 kW
Enclosure	Outdoor IP54 / IP55 with cabinet+dispenser configs available
Ports per cluster	1, 2, 4, 6, 8, or 12 (model dependent)
Battery (strategic)	20–300 kWh per cluster · sized to port count + use profile
Battery chemistry	DRACO Na-ion (5C) or DRACO SuperCap (3C); 1C/2C cabinet for ≥150 kWh
PCS rating	83.1 kW bidirectional, UL 1741, 3-phase 480 V
Grid service	100 A · 3-phase 480 V (single-phase variants available)
CMS	eMÖTEN — NEC 625.42(A) compliant, 50% per active port
Communications	OCPP 2.0.1 · ISO 15118 Plug & Charge · Ethernet, 4G LTE, Wi-Fi
Payment	Tap-to-pay (Visa/MC/Amex), Apple Pay, Google Pay; RFID; mobile app
VPP	Bidirectional-ready · activates at XEYAR NEXUS launch (2026)
Certifications	UL · UL 9540 3rd Ed. · UL 1741 · ETL · cUL · CSA · FCC · ENERGY STAR · NFPA 855 · NEVI-aligned
Operating temp	–40 °C to +65 °C (no HVAC required)
Warranty	3 years standard, extended available
Deployment time	4–6 weeks from order to commissioning
30C eligibility	30C-ready hardware (US census-tract dependent, before June 2026 sunset)

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.

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

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