

CMX U9-6 — 522.4 kWh Mobile EV Charging Robot

360 kW off-grid DC fast charging · self-propelled chassis · LiFePO4 · SKU CMX-U9-6-522KWH

The CMX U9-6 pairs a liquid-cooled LiFePO4 battery bank with a 360 kW DC output stage and dual European-standard charging guns on a self-propelled platform, so DC fast charging is delivered where vehicles actually park instead of where a transformer happens to exist. There is no trenching, no civil works and no transformer upgrade. The unit is recharged from a 380 V three-phase supply or a DC busbar, then driven or towed to the point of use, and is operated by remote control or mobile Bluetooth.

Key specifications

Model	CMX U9-6 (remote control version)
Battery chemistry	Lithium iron phosphate (LiFePO4)
Battery capacity	522.4 kWh
Output power	DC 360 kW
Output voltage	DC 200–1000 Vdc (400 V and 800 V platforms)
Charging port	European standard (Type 2 / CCS2); other standards on request
Charging cable	5 m low-temperature resistant cable, rated –20 °C to +50 °C
Cooling method	Liquid cooled
Cycle life	≥8,000 cycles
Service life	5 years (capacity degradation ≤20%)
Recharge time	Approx. 3 hours to full charge
Input	380 V three-phase AC grid / DC busbar access
Operation	Remote control / mobile Bluetooth; manual cable winding
Dimensions (L×W×H)	2770 × 1200 × 2300 mm
Weight	≈5,500 kg
Chassis options	Wheeled, tracked or towable
Communication protocols	OCPP 1.6J; ISO 15118 Plug & Charge

What it replaces

- Permits and trenching for fixed fast chargers
- Pad-mounted transformer and utility service upgrade
- Months of lead time before the first vehicle charges

Where it works

- Outdoor engineering and construction

Safety and compliance

- Cells and packs built to meet UL 1973, IEC 62619, UN 38.3 and CE/RoHS requirements
- Liquid cooling, automotive-grade BMS and fire-safe enclosure standard
- Indoor and outdoor industrial duty, –40 °C to +75 °C operating range

Delivery and support

- Geological exploration and field operations
 - Large events and outdoor exhibitions
 - Ports, marine and emergency response
- Factory acceptance tests (electrical, charging, communication, safety) before shipment
 - Shipping, remote commissioning and operator training
 - Lifecycle support; unit can be relocated as the project moves

Ordering and commercial terms

Lead time	35–45 days (standard configuration); custom configurations confirmed during engineering review
Payment terms	Bank transfer (T/T) and Western Union
Incoterms	EXW, FOB and FCA
Minimum order	Single units accepted; fleet and volume pricing tiers available
Shipping documents	UN 38.3 test summary and MSDS for sea freight; commercial invoice and packing list
Warranty	Confirmed per order and volume agreement
Customisation	Charging standard, connector type, cable length, capacity, output power, chassis configuration, branding and colour (OEM/ODM/private label)

Specifications are subject to continuous product improvement. The datasheet reflects the configuration published on the CMX U9-6 product page at the time of download; contact the sales team for the current revision and project-specific confirmation. Manufactured by Shenzhen CMX Battery Co., Ltd., Tangxia, Dongguan, Guangdong, China · cmxbattery.com · sales@cmxbattery.com