

OM ULTRA



Megawatt Charging for Long-Haul Logistics



Ultra-High Performance

1.2 MW

Continuous with M1200 Cabinets

Maximum Output

1500 A

Continuous Current

Reliable Energy Delivery

99+ %

Success Rate*
*Operational target

Power Specification

DC Output:	Output current (continuous up to 35°C / 95°F): 1500 A Output voltage: 150 - 980 V Number of outlets: single outlet
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Customer Interface

Display:	Type: 21.5" HD full-color anti-glare LCD; Brightness: 1300 nits; Contrast: 1000:1; Interface: touchscreen
HMI Configuration:	Info modules: pricing, payment method, help content, idle state info Branding modules: brand color and logo, app QR code, outro screen
Languages:	English, French, Spanish, German, Italian, Norwegian, Dutch, Swedish, Danish, 7+ languages coming
Cable / Connector Options:	MCS liquid-cooled; Length: 2.4 m; Reach: 1.5 m
Lighting:	Roof: 360° RGBW LED strip; Gun holder: RGBW LEDs
Authentication Methods:	RFID, credit/debit card, mobile app
RFID System:	Mifare ISO 14443 A/B to part 4 and ISO 15693, ISO 18092/ECMA-340 (NFC)
Emergency Button:	Can be connected to external EMG button
Service Access:	Front doors
Remote Management:	Access control, configuration, diagnostics, software updates ¹

Connection Cabinet - Dispenser

Compatible Power Cabinets:	OM M800, OM M1200
DC Power Cable:	Per cabinet (up to): 2 x 300 mm ² DC+; 2 x 300 mm ² DC-
Auxiliary AC Supply:	3 x 400/480 Vac; 3 x 2,5 mm ²
Interlock Cables:	2 wire STP (shielded twisted pair)
Distance & Communication:	Ethernet: 100 m (328 ft), up to 150 m / (492 ft) (in development)

System Specification

Operating Conditions:	Operating from -30°C to 55°C (-22°F to 122°F) with derating Storage from 5°C to 40°C (41°F to 104°F), IEC 60721-3-1
	Altitude: up to 2000 m (6562 ft) Humidity: up to 95%, non-condensing
	Impact resistance: IK10 IP rating: IP54, NEMA 3R (in development)
	Noise emission: 65 dB(A) avg. within 1 m radius, at 25°C, full power Intended use: indoor and outdoor Mounting options: floor mounted

Form Factor:	Dimensions (H x W x D): 2044 x 1180 x 502 mm (80.5 x 46.5 x 19.7 in)
	Weight: 550 kg (1212 lbs) Corrosion resistance: C4, ISO 12944

Standards & Compliance

Safety Standards:	(CE): IEC 61851-23-3 Megawatt Charging System (NA): SAE J3271 Megawatt Charging System
Metering:	(CE): Eichrecht (in development) (NA): CTEP/NTEP (in development)
EMC:	(CE): IEC 61851-21-2, IEC 61000-6-4, IEC 61000-6-2 (NA): FCC part 15, IEEE 519 (Class A)
Manufactured:	Europe
OCPP:	Open Charge Point Protocol (OCPP) 1.6J and 2.0.1
Vehicle Communication Protocol:	ISO 15118-20 over 10BaseT1S Ethernet as per MCS standard
RED Directive:	EN 300 330 V2.1.1 2017, EN 50364:2018 (RFID), EN 301 908-13 V.13.2.1 2022, IEC 62311:2019, EN IEC 62311:2020 (4G test)
Additional Standards:	IEC 63379 MCS connector
Expected Lifespan:	10 years ²

¹ Subject to Service Package coverage

² Expectation based on uninterrupted Service Package coverage, possible refurbishment based on use, and use in suitable environmental conditions including limited exposure to sea water, conductive dust, and condensing humidity

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