

# OM DUO

High-Power Across Two Outlets



Future-Ready Performance

**2 x  
800 A<sub>peak</sub>**

Liquid-Cooled CCS & NACS

One Unified Interface

**15" HD**

Interactive Display

System-Level Reliability

**99+ %**

Uptime & Success Rate\*  
\*Operational target

# Power Specification

DC Output:	Liquid-Cooled CCS / NACS	Phase-Cooled CCS	Air-Cooled NACS
Output current: (per outlet)	up to 800 A	up to 600 A	up to 375 A
Output Voltage:	150 - 980 VDC	150 - 980 VDC	150 - 980 VDC
Number of Outlets:	Dual outlet	Dual outlet	Dual outlet

# Configuration Options

Connectors:	CCS1/2 liquid-cooled or phase-cooled NACS liquid-cooled or air-cooled (each outlet can be configured independently)
Cables:	5 m (16.4 ft) with CMS
Display:	15" HD touchscreen, optional without display
HMI Design:	Info modules: pricing, payment method, help content, idle state info  Branding modules: brand color, logo and messaging, app integration, rich media
Languages:	English, French, Spanish, German, Italian, Norwegian, Dutch, Swedish, Danish, 7+ languages coming
Exterior Co-Branding:	Logo, wrapping, paint coating
Audio:	Speaker
Payment Terminal:	Optional payment terminals available

# Customer Interface

Display:	Type: 15" HD full-color anti-glare LCD Brightness: 1600 nits Contrast: 1000:1 Interface: Touchscreen
Lighting:	Roof: RGBW LEDs Gun holder: RGBW LEDs
Authentication Methods:	RFID, Autocharge, Plug & Charge, mobile app, QR code, credit/debit card
External Accessories:	Payment station
Remote Management:	Access control, configuration, diagnostics, software updates <sup>1</sup>

# System Specification

<b>Operating Conditions:</b>	Operating from -30°C to 55°C (-22°F to 131°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: IP65 internal enclosures
<b>Form Factor:</b>	Dimensions (H x W x D): 2165 x 700 x 250 mm (85.2 x 27.5 x 9.8 in) Weight: ~ 200 kg
	Enclosure type: aluminum body Accessibility: ADA and DIN 91504 requirements for height, reach, and user interface

## Connection Cabinet - Dispenser

<b>Compatible Cabinets:</b>	OM M-Series, OM X-Series
<b>DC Power Cable:</b>	(CE): 8 x 300 mm <sup>2</sup> (max.), 3 x 35 mm <sup>2</sup> PE (NA): 8 x 600 MCM AWG (max.), 3 x 2 AWG PE (35 mm <sup>2</sup> )
<b>Auxiliary AC Supply from Cabinet:</b>	(CE): 400 V AC (3 x 2.5 mm <sup>2</sup> + PE) (NA): 480 V AC (3 x 12 AWG)
<b>Interlock Cables:</b>	(CE): 2 x 2 x 2.5 mm <sup>2</sup> + shield (NA): 2 x 2 x AWG18 + shield
<b>Distance &amp; Communication:</b>	CAT 5e / CAT 6 Distance: 100 m (328 ft), up to 150 m (492 ft) (in development)

## Standards & Compliance

<b>Safety Standards:</b>	IEC 61851-1 ed 3, IEC 61851-23 ed 2, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 62196-3-1, IEC 61439-7, UL 2202, UL 2231-1, UL 2231-2, CSA 22.2, SAE J3400
<b>Metering:</b>	(CE): MID/Eichrecht (in development) (NA): CTEP/NTEP (in development)
<b>EMC:</b>	(CE): IEC 61851-21-2:2018, IEC 61000-6-8:2020 (NA): FCC part 15
<b>Manufactured:</b>	USA & Europe
<b>OCPP:</b>	OCPP 1.6 JSON, OCPP 2.0.1, OCPP 2.1
<b>Vehicle Communication Protocols:</b>	IEC 61851-23 ed2 and -24 / DIN 70121, ISO 15118-2, ISO 15118-20, Autocharge
<b>Expected Lifespan:</b>	10 years <sup>2</sup>

<sup>1</sup> Subject to Service Package coverage

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

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**ABB E-mobility B.V.**

Heertjeslaan 6  
2629 JG Delft  
The Netherlands  
Phone: +31 88 4404600  
E-mail: [info.evci@nl.abb.com](mailto:info.evci@nl.abb.com)  
**e-mobility.abb.com**

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**ABB E-mobility Inc.**

4601 Park Rd, Suite 600  
Charlotte, NC 28209  
United States  
Phone: 1-706-344-2889  
E-mail: [US-evci@abb.com](mailto:US-evci@abb.com)  
**e-mobility.abb.com**

—  
**ABB E-mobility Inc.**

800 Hymus Boulevard  
Saint-Laurent, QC H4S 0B5  
Canada  
Phone: 1-800-435-7365  
E-mail: [CA-evci@abb.com](mailto:CA-evci@abb.com)  
**e-mobility.abb.com**