

OM DOCK

Versatile Dispenser for all Depot Configurations



Heavy-Duty Performance

500 A

Peak Output Current

Supports all Fleet Vehicles

5

Outlet Types incl. CCS, NACS
and Pantograph

Flexible Installation

< 0.2 m²

Compact Size for Mounting
Versatility

Power Specification

DC Output:	CCS	NACS	Pantograph
Output Current:	up to 500 A	up to 375 A	up to 500 A
Output Voltage:	150 - 980 VDC	150 - 980 VDC	150 - 980 VDC
Number of Outlets:	Single outlet	Single outlet	Single outlet

Configuration Options

Connectors:	CCS1/2: 500 A with patented phase-cooling, 250 A with air-cooling; NACS: 375 A with air-cooling Pantograph-Up, Pantograph-Down
Cables:	Length: 7 m (23 ft), 9.5 m (31.2 ft)
Mounting:	Pedestal, overhead (ceiling/gantry), wall-mounted
Cable Management System (CMS):	Cable balancer CMS for overhead installation

Customer Interface

Lighting:	Roof: 360° RGBW LED strip; Gun holder on pedestal: RGBW LEDs
Authentication Methods:	Autocharge, RFID via optional payment station
Service Access:	Front door
Pedestal Features:	Cable hook CMS, gun holder LED, stop button, meter display (optional)
External Accessories:	Additional LED tower, EMG button, cable balancer CMS, payment station
Remote Management:	Access control, configuration, diagnostics, software updates ¹

Connection Cabinet - Dispenser

Compatible Cabinets:	OM M-Series, OM X-Series
DC Power Cable:	(CE): 2 or 4 x 300 mm ² (max.), 1 x 35 mm ² PE (NA): 2 or 4 x 600 MCM AWG (max.), 1 x 2 AWG PE (35 mm ²)
Auxiliary AC Supply from Cabinet:	(CE): 400 V AC (3 x 2.5 mm ² + PE) (NA): 480 V AC (3 x 12 AWG)
Interlock Cables:	(CE): 1 x 2 x 0.75 mm ² + shield (NA): 1 x 2 x AWG18 + shield
Distance & Communication:	CAT 5e / CAT 6 Distance: 100 m (328 ft), up to 150 m (492 ft) (in development)

System Specification

Operating Conditions:	<p>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</p> <p>Altitude: up to 2000 m (6562 ft) Humidity: up to 95%, non-condensing</p> <p>Impact resistance: IK10 IP rating: IP65, NEMA 3R (in development)</p> <p>Noise emission: 50 dB(A) at 1 m front side, 20°C (68°F) Intended use: indoor and outdoor Mounting options: pedestal, overhead (ceiling/gantry), wall mounted</p>
Form Factor:	<p>Dimensions (H x W x D): 590 x 550 x 320 mm (23.2 x 21.7 x 12.6 in)* with pedestal: 1586 x 550 x 320 mm (62.4 x 21.7 x 12.6 in)</p> <p>Weight: 47 kg (104 lbs) excl. cables*</p> <p>Enclosure type: AISI 430 stainless steel Corrosion resistance: C5-H, ISO 12944 *For interface dimensions, refer to the installation manual</p>

Standards & Compliance

Safety Standards:	IEC 61851-1 ed 3, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, UL 2202, CSA 22.2
Metering:	(CE): MID/Eichrecht (in development) (NA): CTEP/NTEP (in development)
EMC:	(CE): EN IEC 61851-21-2: 2018, EN IEC 61000-6-3: 2020, ETSI EN 301 489-1, ETSI EN 301 489-3 (NA): FCC part 15 (Class B)
Electrical Safety:	IEC 61439-7
Manufactured:	USA & Europe
OCPP:	OCPP 1.6 JSON, OCPP 2.0.1
Vehicle Communication Protocols:	IEC 61851-23 ed 2 and -24 / DIN 70121 ISO 15118-2, ISO 15118-20, ISO 15118-3, Autocharge
Additional Standards:	NEMA 250, IEEE 519, EN 50696, IEC 60068-2-75: 1997, IEC 62262:2002, IEC 60529
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 proximity to sea water, conductive dust, and condensing humidity. Under certain conditions and for certain models this can be extended to 15 years.

—
©Copyright ABB E-mobility 2026. All rights reserved to copyrights, registered trademarks, and trademarks reside with their respective owners. The information in this document is provided in good faith, is provided for information purposes only and is subject to contract. The information contained herein is subject to change without notice and should not be construed as any commitment by ABB E-mobility B.V. or its affiliates or holding companies (ABB E-mobility). ABB E-mobility assumes no responsibility for any errors that may appear in this document. We reserve all rights with respect to this document, its content and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB E-mobility. No representations are made, express or implied, with respect to the accuracy, reliability, availability or completeness of the information provided, and no liability is accepted for any damage or loss suffered as a result of reliance on any information provided herein.

—
ABB E-mobility B.V.

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

—
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
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
e-mobility.abb.com