BERCMAN®

ULTRA-FAST EV CHARGER
DC- 1

400 kW

Nasdaq Listed

WWW.BERCMAN-ENERGY.COM

Bercman Energy DC-1

The forthcoming era of rapid charging featuring:

- high-power capabilities
- modularity
- scalability

Dynamic Display

The charger features a **32" screen** that can enhance business operations, **offering capabilities like advertisement and promotions** into your charging station, capturing the attention of passersby and enhancing customer engagement.

With the screen it empowers you to unlock new revenue streams and opportunities. Whether you're promoting your own products and services or leasing advertising space to partners, this versatile display is ready to meet your needs.

Cable Management

The DC-1 charger is equipped with **high-quality** DC charging cables designed to deliver **reliable and efficient performance** for high-power EV charging. Built with advanced technology and manufactured to rigorous quality standards, these cables ensure safe, fast, and consistent power delivery.

The charger features an advanced cable management system, designed to provide a **hassle-free and intuitive charging experience** for every user. The system ensures the cables remain off the ground, preventing potential damage and maintaining a clean, organised charging environment.

Power upgrade

The Bercman DC chargers provide a straightforward power upgrade path to accommodate changing charging requirements.

The DC-1 charger offers two upgrade ranges based on cable technology. With **air-cooled** cables, the charger can be scaled **from 50 kW up to 400 kW** in 50 kW steps, supporting gradual growth in charging demand.

For higher-power applications, the charger uses **liquid-cooled** cables and supports configurations **from 450 kW to 600 kW**, with upgradeability from 450 kW in 50 kW steps.

The Bercman charger supports hassle-free power module additions, ensuring minimal operational interruptions. With the capability to **charge up to 2 vehicles simultaneously**, the Bercman chargers offer unparalleled adaptability and efficient use of parking space.

Dynamic Load Balancing

Dynamic Load Balancing ensures the **efficient distribution of power** between charging outlets based on real-time availability and demand.

The Bercman charger dynamically adjusts power allocation by assigning power modules to each outlet, ensuring that the available charging power is optimised.

Features

Weatherproof casing

Customisable casing colors and custom sticker & wrapping options

Charging controller by EcoG

LED for charging status indication left and right

High quality 32” display

Fit for outdoor applications IP54 and IK10

Integrated contactless credit-card reader terminal (optional)

Easy access for maintenance

RFID card reader for user authentication

Compliant with ISO 15118

Enhanced cable management

Technical Data

Made in Europe

Bercman DC-1	400
Maximum total DC power	400 kW
Operating Specification	
Dynamic Load Balancing (DLB)	in 200 kW steps
Outlet options	2 x CCS2
LCD Screen and LEDs	Full-color 32" LCD screen; status LED per outlet
Protection rating	IP54, IK10 (including display)
Ambient conditions	Operating temperature –40° C...+50° C < 95% relative humidity non-condensing
Electrical protection	Residual-current and surge protection, overvoltage protection, overtemperature protection
THD1	≤ 5%
Power factor	> 0.99
Efficiency	≥97%
Operating noise level	< 55 dB @ 5 m, full load
Grid Information	
Network type	TN-C, TN-S, TN-C-S or TT
AC input voltage	400 V AC (±10%)
Frequency range	45...55 Hz
DC Outlet	
Max. current at charger's outlet	CCS2: 1 x 250 A / 500 A peak (air-cooled cable), rated voltage 1000V
Output voltage range	150 – 1,000 V DC
General Specification	
Socket footprint (WxD) / Dimensions (HxWxD)	570 x 650 mm / 2,270 x 935 x 865 mm
Backend connectivity	OCPP 1.6J+
Remote management	OCPP backend integration, remote access, over-the-air (OTA) software updates
RFID	ISO/IEC 14443 A/B, ISO/IEC 15693
Authorisation/payment	RFID/NFC, Plug & Charge, POS Terminal (optional)
Network connection	Ethernet 10/100 Base; GSM / GPRS / UMTS / LTE
Energy metering	Carlo Gavazzi DCM1A60V10L20S2DEB
Charging controller	EcoG
Norms and Standards	
CE-certified	Yes
Safety and charging standard	IEC 61851-1, IEC 61851-21-2, IEC 61851-23
EV communication	ISO 15118-2/-3, DIN 70121, Hubject compatible
Connector	CCS Combo 2 cable acc. to IEC 62893-4-1:2020, based on IEC 62196-3
Charger cables	
Cable length	5/7 metres

Flexible additional configuration options

Selection of configuration options

- Customisation of the LCD screen interface
- LCD screen can be touchscreen (buttons will stay for backup)
- Enhanced Safety pack - extra fuses on the DC power trains and an emergency stop button on the housing
- Integration test of new backend system – charger can be connected to any backend according to OCPP 1.6J+
- Configuration and Communication test - a customer-specific configuration, including SIM card and communication test to backend
- Customer-specific branding – casing design can be modified to customer individual branding

Supporting Your Success

At Bercman, we are committed to delivering the highest quality products and services, ensuring world-class support throughout the full lifespan of your charging equipment. Our streamlined support processes guarantee a rapid response from our dedicated engineering team, providing expert assistance whenever you need it.

Beyond our standard solutions, we offer customisation options to meet specific requirements. Whether it's tailoring hardware configurations, adapting software functionalities, or developing unique charging solutions, we are ready to collaborate and create bespoke solutions that align with your needs.

Published by Bercman Technologies
Riia 26, Tartu, Estonia

For more information, please contact Bercman Energy
Phone: +372 53 855 877 (International)
E-mail: info@bercman-energy.com

Made in Europe