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EVB POWER

MobileBox DC 30kW





TYPE

Mobile Electric Vehicle Charger EVB

DESIGNATION

EVB MB30-C2

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DESCRIPTION

Portable single-point charging station for full-power charging with adjustable charging current.

HOUSING CONSTRUCTION

Class I protective aluminum housing (side covers available in any color) powder coated.

POWER SUPPLY

3L+N+PE 63A plug - 2m flexible cable.

CHARGING POINT POWER

30 kW DC constant current.

CHARGING POINT CONNECTORS

- ▶ Maximum of 1 charging point;
- ▶ CCS 2 (Combo 2) Combo T2 plug with straight cable, charging cable length up to 5m
- ▶ CHAdeMO plug with straight cable, charging cable length up to 5m

WYPOSAŻENIE

- ▶ Main switch,
- ▶ energy consumption meter for each charging point,
- ▶ protection against overvoltage, overcurrent, differential current,
- ▶ voltage insulation status control,
- ▶ ventilation
- ▶ heating,
- ▶ EVSE controller for managing DC charging process,

CHARGING INDICATION

on-screen display showing all parameters

ACCESS

4.3-inch color touchscreen display

COMMUNICATION

- ▶ plug & plug charging mode
- ▶ ISO15118, DIN70121

BASIC WARRANTY

2 years.

TECHNICAL PARAMETERS OF POWER SUPPLY

Cross-sectional area of the power cable [mm ²]	16
Length of the power cable [m]	5
Type of supply 3xL+N+PE	3xL+N+PE
Rated connecting voltage [V] (+/- 10%)	260-400
Rated insulation voltage [V]	500
Rated frequency [Hz]	45-65
Rated connecting current [A]	0-45A

TECHNICAL PARAMETERS OF CHARGING POINTS

Rated power [kW]	30kW
Voltage range [V]	200-750 (with an additional option of 1000)
Maximum current [A]	0-100A
Connector	CCS-2 or CHAdeMO

TECHNICAL PARAMETERS OF THE HOUSING

Dimension (H/W/D) [mm]	580/180/430 (including handle and wheels)
Package size	skrzynia drewniana - 860/440/550
Material	Aluminium
Protection class	I
Degree of protection	IP/IK 44
Weight [kg]	58 / Wooden crate: 73
Operating temperature [°C]	-25 to +50
Humidity [%]	5-90 (non-condensing)
Noise level [dB]	<45
Mounting	mobile

STANDARDS

EN 61851-23:2014/AC:2016	The standard concerning electric vehicle chargers. It specifies requirements for communication between electric vehicles and charging stations.
EN 61851-1:2011	This standard pertains to electric vehicle chargers, focusing on general safety and charging efficiency requirements.
EN 60529:1991+A1:2000+A2:2013	It defines the degree of protection provided by electrical enclosures (including charger enclosures) against the ingress of solid objects, liquids, and access to hazardous parts of the device.
EN62196	The standard regarding connectors for electric vehicle charging. It specifies the design and characteristics of connectors used in electric vehicle charging systems.
ISO15118	This standard addresses communication between electric vehicles and charging infrastructure. It defines the communication protocol enabling smart charging of electric vehicles.
DIN70121	The German standard concerning communication between electric vehicles and the grid focuses on the communication protocol for electric vehicle charging.



CONTACT

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