



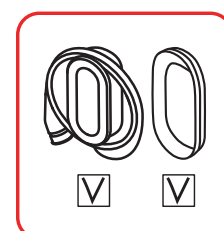
Wall bracket included

DEFA Power™

Item.no: 715000

Item name: DEFA Power

DEFA Power with display and fixed cable. Max 22kW, 32A.



DEFA Power™

Smart EV Charging Station with integrated charging cable. Max 22kW, 32A

The smartest way to control your power, allowing you to charge at the lowest cost with the maximum output. DEFA Power has an intuitive display and 6 meter integrated charging cable that simplifies your daily use and gives you full control of your charging. DEFA Power optimizes available power, and with PowerSmart you can avoid peak periods and charging when power is most expensive.

DEFA Power – more power to you!

Made for maximum power

True 22kW charging.

DEFA Power is designed through advanced simulations ensuring fastest possible charging.

PowerSmart™ with the Power App

The power to set your charge when the prices are low, based on daily prices from Nord Pool. You can also avoid extra tariffs on peak periods. Can be used with any energy company and all cars.

User-friendly

Intuitive high quality display with step by step charging experience.

Certified compliance and accuracy

DEFA Power ensures accurate and tamper-proof energy measurement, meeting MID and Eichrecht regulations as a MID-certified standalone measuring device - fully compliant with local and international standards.



Easy access

Effective access steering.

- Access control via QR-code
- RFID / NFC, and SMS

Integrated charging cable

Robust 6 meter charging cable made for extreme condition provides flexibility for daily use. Includes a smart vehicle plug cap to protect the connector.

One device fits all

Can handle all power and phase needs in all European markets.

Future ready

Connectivity: WiFi, 4/5G, LAN

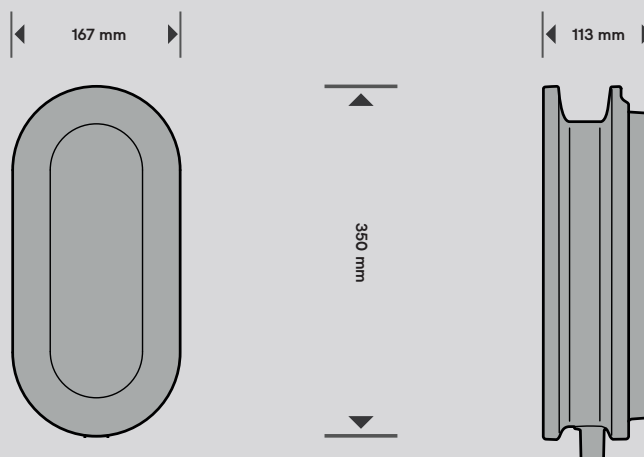
Configuration: Bluetooth

Open standard: OCPP 2.0.1 and ISO15118

Optimize utilization of available power by upgrading with **DEFA Balancer™**

Specification

Dimension:



General:

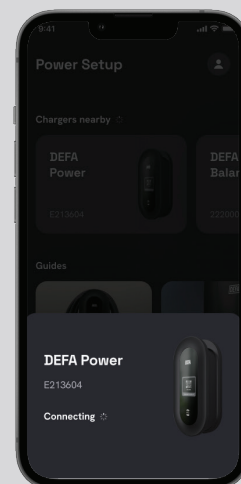
Product name: DEFA Power
Item number: 715000
EAN: 7042287150002
Dimension (mm): H: 350 x W: 167 x D: 113
Weight unit: 2,5 kg
Weight cable: 3,5 kg
Operating temperature¹: -30°C to +40°C
Storage temperature: -50°C to +85°C
Enclosure material: Polycarbonate

Charging:

Charging power: Up to 22kW
Charging current: 6-32A (adjustable)
Rated voltage three phase: 380-420 Vac (50-60 Hz)
Rated voltage single phase: 220-240 Vac (50-60 Hz)
Charging mode: Mode3
Connection to vehicle: Type 2
Charging cable: Included, 6 meter

Interface:

Integrated display: 69mm x 69mm
Brightness: Automatically adjusted
Access control: RFID/NFC/DEFA Power app
Energy meter: Integrated MID class B
Installer app: DEFA Power Setup App



Communication & network:

4G LTE Cat M1
Wi-Fi 2.4 & 5.0 GHz, 802.11 a/b/g/n/ac
Ethernet 100Base-T

¹ Charging unit can be used within temperature range -40 to +50 when MID metering is not required.

Specification

Safety & protection:

RDC-DD: 6mA DC in acc. IEC 62955
Ingress protection: IP55 (Wall bracket IP44)
Impact resistance: IK10
Fire classification: UL94 V0
Isolation class: I
Overvoltage category: III
Overheat protection: Internal sensor
Pollution degree: III
EMC environment: Class A and B

Standard & certification:

CE
IEC61851
IEC62955
IEC61439-7
IEC60947-2
EN50470-1
EN50470-3
MessEV & MessEG (Eichrecht compliant)

Ratings:

Rated impulse withstand voltage U_{imp} : 4 kV
Rated short-time withstand current I_{cw} : 1520 A @ 1.2 ms
Rated conditional short-circuit current I_{cc} : 10 kA
Rated current of a circuit I_{nc} : 32 A
Rated peak withstand current I_{pk} : 2280 A (IEC 61439-1 Table 7 n x I_{cw} , n = 1.5)

Installation:

Grid: TN / IT / TT
Breaker size: 32A
RCD: RCCB Type A and MCB or RCBO
Maximum cable size: 16 mm²
Torque value: 2,5Nm
Stripping length: 20 mm +/-2

Integrated MID energy meter:

Accuracy: Class B ($\pm 1\%$)
Harmonized standard: EN 50470-1:2006, EN 50470-3:2006
Notified body: VDE Prüf- und Zertifizierungsinstitut GmbH
Reference voltage U_n : 3x 230 V / 400 V
Reference frequency f_n : 50 Hz
Rated current (I_{st} / I_{min} / I_{tr} / I_n / I_{max}): 0.02 / 0.25 / 0.5 / 5 / 32 A
Meter constant: 1000 pulses/kWh
Repeatability test; minimum pulses: 1000 (1/10th of permissible error)
Environment: M1 and E2

Recycling:

E-waste

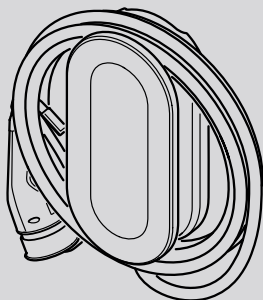
Warrenty:

5 years

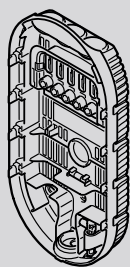
Specification

Included:

Charging station with
6m charging cable



Wall
bracket

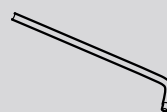


Cable
clip



Multi
grommets (x2)

Tools &
screws/plugs



Opening tool



Wooden screws (x4)
and washers



Wall plugs (x4)