

CHARGEDØT

C1

Seamless charging for
your everyday journey



Energizing the future



Smart Charging

Dynamic load balancing enables real-time charging speed flexibility and PV integration.

Connects directly to external energy meters via Modbus RTU for precise real-time energy measurement.

Full Connectivity Stack

Supports Modbus RTU/TCP, RS-485, ethernet, 4G, LTE, WiFi and Bluetooth 5.0. Dual uplink for backend connectivity ensures uptime in critical environments.

Built for Harsh Environments

Rated IP55 and IK10, the housing is engineered to withstand the toughest conditions - from -30°C to +50°C.

The fire-resistant enclosure integrates built-in RCD protection, surge protection and ground fault monitoring, delivering reliable and safe operation wherever it is installed.

Configured to Your Market

Includes MID or Eichrecht certified options; socket with shutter or cable options; wall mount or pedestal options.

Enhanced Data Security and Interoperability

Integrates securely with EMS, OCPP backends, and third-party systems with certified communication standards such as ISO 15118-2, ISO 15118-20 and ISO 27001.

Product Characteristics

Connector	Type 2, socket or fixed charging cable
Rated Power	7 kW (1-phase) / 22 kW (3-phase)
Nominal Voltage	230 VAC $\pm 15\%$, 32 A per phase
Earthing Systems	TT, TN, IT
Overvoltage Category	OVC III
IP / IK Rating	IP54 (socket) / IP55 (cable), IK10
Operating Temperature	-30...+50 °C (derating may apply)
Operating Humidity / Altitude	< 95% non-condensing up to 2,000m
Standby Power	< 5W
Dimensions (H $\times$ W $\times$ D)	361 $\times$ 259 $\times$ 112mm
Mounting	Wall-mount; optional floor pedestal
Energy Metering	Integrated; $\pm 1\%$ active-energy accuracy

User Interface

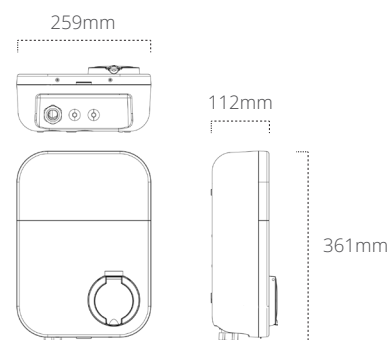
Display & Indication	Non-display version and display versions available. Display: 4.3" LCD module (480 $\times$ 272, 250nits) with RGB LED stripe
Authentication	RFID/NFC card, Bluetooth 5.0, Wi-Fi / 4G / LAN via app

Connection

Connectivity	Ethernet, RS-485, Wi-Fi 2.4 GHz, Mobile: 4G LTE Cat-1, BLE 5.0, NFC/RFID, RS-232/TTL Dual uplink*: simultaneous Wi-Fi + LTE with automatic failover
Backend Protocol	OCPP 1.6J, Modbus RTU (RS-485)
Smart Charging / Load Mgmt	OCPP smart-charging profiles; static (BLE app); dynamic via external RS-485 meter
Cybersecurity	TPM (secure certificate storage)

Standards	CE — IEC/EN 61851-1, IEC 62955, IEC 61851-21-2, EN 61000 (EMC), CE-RED (Wi-Fi/RFID/LTE), ISO 15118-2, ISO 15118-20, CIR (Italy 2027 mandate)*, MID/Eichrecht (certified variants)
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Measurement Details



*Available in future software release

Product Variants

C1 7/22kW AC

Multiple variants to meet the requirements of global markets.

EU

European Standard

- MID-certified energy metering
- Type 2 socket or tethered cable
- Suitable for residential, workplace & semi-public

DE

Germany - Eichrecht

- Eichrecht-certified energy metering
- Legally compliant billing for German market
- Type 2 socket or tethered cable

FR

France

- MID-certified energy metering
- Type 2 socket with shutter mechanism
- Compliant with French market requirements

L

Lite - Single Phase

- 1-phase, up to 7 kW
- Non-MID energy metering
- Type 2 socket or tethered cable

Variant Names

Product Code

Description

C1-22-EU-S-0

C1, 22KW, Socket without Shutter, 4G, Display, MID Meter

C1-22-EU-C-0

C1, 22KW, Fixed Cable, 4G, Display, MID Meter

C1-22-DE-S-0

C1, 22KW, Socket without Shutter, 4G, Display, Eichrecht meter

C1-22-DE-C-0

C1, 22KW, Fixed Cable, 4G, Display, Eichrecht meter

C1-22-FR-S-0

C1, 22KW, Socket with Shutter, 4G, Display, MID Meter

C1-7-L-S-0

C1, 7KW, Socket without Shutter, 4G, LED

C1-7-L-C-0

C1, 7KW, Fixed Cable, 4G, LED

Chargedot New Energy Technology B.V.

Contact: sales@eu.chargedot.com

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