

Technical data

# KeContact DCW15

DC-Wallbox with direct payment



## Design (standard)



## Colors (standard)

Housing (upper part):	Traffic white (RAL 9016)
Housing (lower part):	Anthracite grey (RAL 7016)
Charging cable:	Deep black (RAL 9005)

## Customer-specific customization options

Housing:	Primary color and foiling
Display:	Background, logos and colors
Screensaver / advertisements:	Yes

## Product specifications

Power:	40 kW
Integrated energy meter:	Functional, optionally MesseEV certified with display
Connection of an external energy meter:	No
Current monitoring:	Yes
Insulation monitoring:	Yes

## Communication

Backend communication protocol:	OCPP 1.6
Local communication protocol:	Modbus TCP   ISO 15118 ready*
Operator portal:	Location-independent self-administration via online access

\*...Plug & Charge will be made available with a later software update.

## General

Charge mode:	Mode 4 in accordance with EN 61851
Protection class:	I
Protection type:	IP54

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### Power supply (AC input)

Input voltage:	485 V <sub>AC</sub> (260-528 V <sub>AC</sub> /400 V <sub>AC</sub> /3 P)
Nominal supply voltage:	400 V <sub>AC</sub>
Nominal current:	60 A
Nominal line frequency:	50 Hz / 60 Hz
Power factor:	0,98
Nominal power:	41 kW
Cable feed:	Rear side

### Charging cable (DC output)

Nominal voltage:	1000 V <sub>DC</sub>
Nominal current peak (max. charging current):	134 A
Nominal power (maximum)	40 kW
Charging mode	Unidirectional
Charging plug:	CCS Combo-2
Outputs (DC):	1
Charge points:	1
Number of charging cables:	1
Charging cable with liquid cooling:	No
Simultaneous charging of multiple vehicles:	No
Cable length (outside device up to and including entire plug):	4,5 m (without cable management)

### Ambient conditions

Application:	Inside and outside area
Installation:	Stationary
Humidity (relative):	5% - 95% (non-condensing)
Temperature range (without direct sunlight):	-25 °C to +45 °C (operation, storage, transport)
Altitude:	max. 2.000 m above sea level
Temperature behavior:	Automatic charging current reduction in case of overtemperature

### Interfaces

#### Ethernet interface

Ethernet port:	RJ45
Data transfer rate:	10/100/1000 Mbit/s

#### Mobile communication [4G/LTE]

Type:	Router with 1 SIM slot
Supported LTE (4G) bands:	B1, B3, B7, B8, B20, B28A (LTE-FDD)
Maximum data rate: (depends on external influences)	LTE Cat 4 up to 150 Mbit/s
SIM card:	SIM card with 4G authentication Size: Micro-SIM (3FF) Type: Industrial/M2M recommended

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### Equipment depending on version

Display:	Yes
Display size (inches):	5"
Operation:	Touch screen
Barrier-free:	Installation dependent
Status display (charging status for users):	<ul style="list-style-type: none"><li>• Status LED on the system</li><li>• via touch display</li><li>• via online access</li></ul>
Energy meter (MID):	Optional

### Authentication functions

NFC reader:	Optional
Authentication of the charging process:	RFID, OCPP, vehicle ID (static MAC address), free-charge

### Payment functions

Direct payment:	Optional
Payment options:	<ul style="list-style-type: none"><li>• RFID card</li><li>• Credit/debit cards (Mastercard, VISA), Girocard/ATM (depending on acquiring bank)</li><li>• Mobile payment (Google Pay / Apple Pay)</li></ul>
Payment terminal hardware (manufacturer and configuration):	<ul style="list-style-type: none"><li>• Worldline VALINA (EU 27)</li><li>• CastlesTech S1U2 (AT via PayOne, EU via Six Payments) from Q3/2025</li><li>• Verifone UX700 (DE via PayOne) from Q3/2025</li></ul>

### Internal protective functions

Safety line:	Yes
Isometer:	Yes

### Material, dimensions and weight

Housing material:	Stainless steel 1.4301 (AISI 304), powder-coated
Height / width / depth:	703 mm / 410 mm / 330 mm (without plug holder)
Packaging dimensions (H / W / D):	750 mm / 1200 mm / 800 mm (euro pallet)
Net weight (without packaging, depending on equipment):	Max. 108 kg
Gross weight (with packaging, depending on equipment):	Max. 130 kg
Installation type:	Wall / stand

### Standards and certifications

Meets generic standards:	
DIN SPEC 70121:2014:	Yes
DIN EN ISO 15118-1/2:	Yes
German calibration law:	In progress
Austrian calibration law:	Yes, individual acceptance
IEC 62196-3:	Yes, via charging cable manufacturer

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## Product key

KC-DCW15-ABCD-EFGH / Form designation system

KC-DCW15		... Device series
A	Power	2 ... 40 kW
B	Charge points	1 ... Single
C	Charging cable	1 ... Cable 150A, 40 kW, 4 meters
D	Energy metering	1 ... German calibration law
		3 ... uncalibrated operating measurement
E	Payment	1 ... EU/Six RFID/NFC
		2 ... DE/Payone RFID/NFC
		3 ... AT/Payone RFID/NFC
		4 ... RFID/NFC Backend operation
F	Mounting type	1 ... Stand
		2 ... Wall mount
G	Future options	0 ... not equipped
H	Customizing	C ... COL - Color customized
		P ... PRE - Predefined special options
		S ... STD - No customizing
		O ... SON - Special options

## Notes

This data sheet lists various options. The actual design depends on the variant.

