

PRODUCT DATA SHEET

Article number 98603314E

EAN	4015609325238
Manufacturer	WALTHER-WERKE
WEEE reg. no.:	DE 22131895

Product description

Wallbox smartEVO duo connect+
with 2 charging couplers, max. 22 kW,
compliant with calibration law, 4G modem,
ISO 15118 and EEBUS



Product image

Detailed product description

WALTHER Wallbox smartEVO duo connect+
Compliant with calibration law

With the following features:
Charging according to Mode 3 in accordance with IEC 61851
2x Type 2 charging coupler (Mode 3)
Cable length 6 m - permanently connected
Charging power per charging point up to 22 kW

3 status LEDs in the side panel to display the current status of the
charging point; authentication via RFID panel mounted on the side

Visible energy meter (MID-certified) for each charging point
Calibration-law-compliant display of consumption data and
display of the public key as QR code and plain text

Powerline Communication (PLC) in accordance with ISO 15118 enables Plug & Charge

Connection to energy management systems via Modbus TCP or EEBUS

Connectivity to IPD control and IPD manager as well as
the SMA communication protocol (SEMP)

Integrated web server
Firmware updates as well as control/maintenance via remote access
Ethernet interface including AMJ module
for connection to permanently installed data cable

Smart grid capability through OCPP 1.6 (JSON)
Integrated 4G modem (micro SIM) for connection to
backend and roaming platforms from various providers
(e.g. IPD connect)

Local dynamic load management (DLM), including unbalanced load detection
(phase-specific control), for efficient use of the available charging power
with up to 250 charging points

For each charging point:
Permanent PE monitoring
6 mA DC residual current monitoring and Type A RCD
Contactor welding detection

Integrated two-stage temperature monitoring.

Robust and weather-resistant enclosure
Galvanized, powder-coated sheet-steel enclosure
in micaceous iron grey (DB703)
Lockable door with an elegant design

Max. supply cable connection with NYY-J 2x5x10 mm²
Direct connection to residual current circuit breaker

Included accessories

2 RFID cards, Mifare DESFire EV1
1 key
1x wall mounting bracket
1x AMJ module
Mounting screws
Drilling template
Safety instructions
Routine test certificate

Optionally available:
Pedestal
Ground piece
Charging cable holder

Ordering information

Net weight	-
Device height	490 mm
Device width	390 mm
Device depth	175 mm
Order unit	piece
Packaging unit	1
Gross weight	-
Packaging height	0,252 m
Packaging width	0,793 m
Packaging depth	0,503 m
Customs tariff number	85371098

Conformities

CE conformity	√
Low Voltage Directive	2014 / 35 / EU of 26 February 2014
EMC Directive	2014 / 30 / EU of 26 February 2014
RoHS Directive	2011 / 65 / EU of 1 July 2011
RED Directive	2014 / 53 / EU of 16 April 2014

Classification system

Classification system	ETIM 8.0
ETIM class	EC002883

Technical product data

Type designation	smartEVO duo
Mounting type	Wall mounting
Pedestal mounting	✓
Calibration law conformity	✓
Standard	DIN EN 61439-7
Max. power per charging point	22 kW
Rated voltage	230/400 V
Frequency	50 Hz
Rated current	32 A

Short-circuit current	6 kA
Rated connected load	22 kW
Low-voltage surge protection	✓
Degree of protection (IP)	IP54
Protection class	I
Impact resistance	IK08
ACSEV	✓
Operating temperatures	-25 bis 40 °C
Maximum permissible relative humidity	5% bis 90% (non-condensing) pcs.
Number of charging points	2 pcs.
Number of Type 2 charging couplers	2 pcs.
Charging cable length	6 m
Charging connector	Type 2 charging coupler
Number of Type A RCDs	2 pcs.
Residual current circuit breaker type	Typ A / 4-polig 40/0,03A
DC residual current detection	✓
Required upstream fuse per supply line	max. C-32A 3polig
With communication interface	✓
With energy meter	✓
Access control function	✓
With load management	✓
System-side connection design	3-phase
Identification	RFID card reader
Identification accessories	2 RFID cards
Meter per charging point	Three-phase meter, Modbus / MID certified
Connection	Max. 1x5x10 mm² per supply line (with NYY-J)
Grid system	TN-C
Altitude above sea level	2000 m
Display per charging point	Meter viewing window and multicolour LED status display
LED status display per charging point	✓
Interface	Ethernet RJ-45 (LAN)
Backend connection	LTE Modem
OCPP	1.6
PLC (ISO 15118)	✓
OCMF	✓
EEBUS	✓
Enclosure material	Sheet steel, powder-coated
Enclosure colour	Micaceous iron grey DB 703
Height	490 mm
Width	390 mm
Depth	175 mm