

2 years
manufacturer warranty

HARDY BARTH
emobility



cPH2

Wallbox

The Wallbox for
the private and
semi-public sector



*For the public sector also available as
a legal-for-trade version

www.echarge.de

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Wallbox

The Wallbox for the **private, semi-public & public sector**



¹⁾The following manufacturers are compatible with our charging station

Photovoltaik



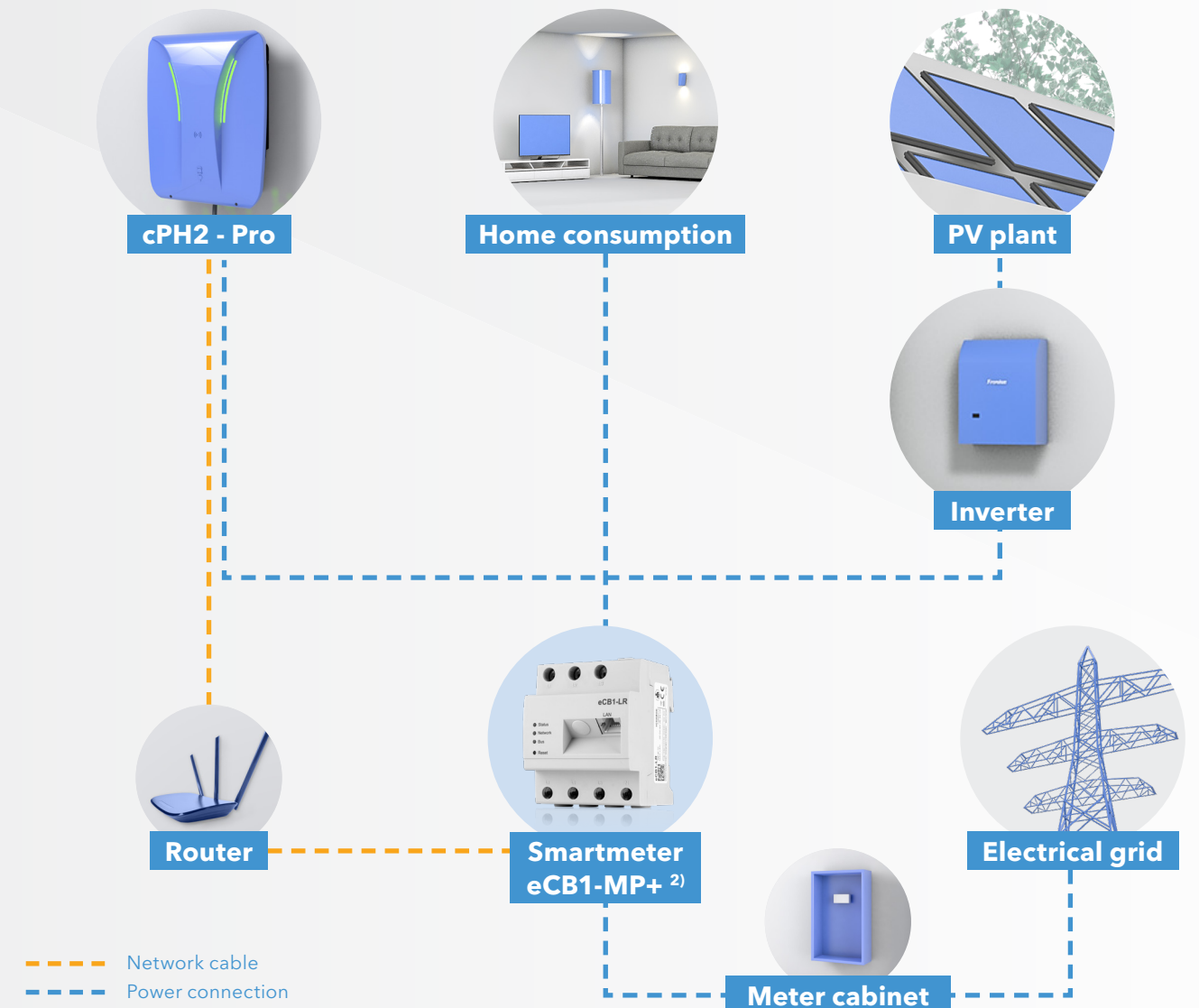
Load management



BackEnd



Excess PV charging



More schemes can be found on our website at:
www.echarge.de/de/service/download

Hardy Barth Smartmeter eCB1-MP+

Our smartmeter eCB1-MP+ enables full PV excess charging and at the same time prevents an overload of your house connection, thanks to our dynamic real-time load management.

²⁾As an alternative to our Smartmeter eCB1-MP+, one of the following systems can be used:

- Fronius (Gen24, Smartmeter, DM2, EMIL)
- SMA (Homemanager 2.0/ SMA Energy Meter)
- Kostal (KSEM)
- Energy management system (Aski, Fenecon, Smart1)
- RCT
- Goodwe (inverter)
- Sungrow (inverter)



cPH2 Wallbox

- For the private and semi-public & public area
- Easy assembly
- Charging power up to 11 kW / 22 kW (3 phase)
- 2 charging points per Wallbox available
- Choice between charging socket or various fixed charging cables Type 2 acc. IEC 62196-2
- Charging control & visualization via web interface & app
- incl. automatic phase changeover (Article number with "P" at the end) (for cPH2 1T11, 1T22 and 2T22 at the right charging point)
- Control according to §14a EnWG
- Potential-free utility contact / API interface

optional accessories

- Switch 5-port
(included as standard with cPH2 2T22 from Q3/2022)
- RFID module (authentication and release)
- GSM communication module
(mobile radio for backend usage)
- Key switch (Eco/ Quick charge and charge stop)
- Stele, pedestal, concrete foundation (free-standing installation)

Technical data

Power supply / Charge

Type	1T11	1T22 (also compliant with calibration law)	2T22	2T44 (also compliant with calibration law)
Connection terminals	1x terminal block, 5x 6 mm ² (L1,L2,L3,N,PE)		2x terminal block, 5x 6 mm ² (L1,L2,L3,N,PE)	
Rated voltage / frequency	230 V 400 V 3 phase ; 50 Hz			
Rated current	16 A	32 A	2x 16 A 1x 32 A	2x 32 A
Power supply	11 kW	22 kW	22 kW	44 kW
Charging power max. (3 phase)	11 kW	22 kW	2x 11 kW 1x 22 kW	2x 22 kW
Charging socket/ cable acc. IEC 62196-2 automatic socket release in case of mains voltage failure	Type 2, 20 A cable or Type 2 socket	Type 2, 32 A cable or Type 2 socket	2x Type 2, 32 A cable or 2x Type 2 socket	
1T11, 1T22, 2T22 --> with automatic phase changeover				

Protection

DC fault current detection	electronic, DC-RCM, IΔn d.c. ≥ 6 mA, per charging point			
MCB per charge point* (required on site)	16 A, 3p	32 A, 3p	2x 16 A, 3p 2x 32 A, 3p	2x 32 A, 3p
RCD leakage circuit breaker (required on site)	RCD Type A, 40 A, 30 mA		2x RCD Type A, 40 A, 30 mA**	

* C-characteristic advised

**Special case: For two charging points and only one supply line, an RCD Type B or Type EV is mandatory. Deviating country-specific standards (connection conditions) must be observed!

Features

RGB LEDs	Shows operating status
Energy meter	MID conform (or in compliance with calibration law), per charging point
Load management / Excess PV charging	Dynamically between charging points with compatible system
Charge release (optional)	local RFID (Mifare DESFIRE und LEGIC Prime & Advant), key switch, OCPP 1.6
Communication / Data connection	PLC (PowerLAN), Ethernet, optional mobile communication (for backend connection)
Vehicle communication	IEC 61851-1 „Mode 3“ and ISO 15118 Ready
Power control	Adjustable via web interface or rotary switch, 6-32 A

Conditions / Standards

Operating / Storage temperature	-25 °C to 50 °C / -25 °C to 85 °C
Relative humidity	5 to 95%, no condensation
Standards	IEC 61851-1, IEC 61851-21, IEC 61851-22
Class of protection / Overvoltage category	II / III
Degree of pollution	3
Degree of protection (housing)	IP54

Housing

Dimensions [mm]	497 x 397 x 166 (H x L x W)
Color / Wallbox weight	anthracite silver gray / approx. 12 - 15 kg
Item number	3M5XXXXX