

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

cPH2

Wallbox

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



-  Local **overload protection** with compatible system¹⁾
-  Operating states via **LED indicators**
-  Charge control and visualization via **web interface & app**
-  **Charging release (optional)** e.g. RFID / key switch
-  **MID energy meter** (already integrated) | **Calibration law compliant meter**
-  **Dynamic Load & energy management**
 - Between various charging points
 - Excess PV charging¹⁾
 - Peak Shaving¹⁾
 - Smart Grid Ready
-  **Backend usage (optional)**
 - mobile communication
 - OCPP 1.6

¹⁾The following manufacturers are compatible with our charging station

Photovoltaik



Load and energy management.

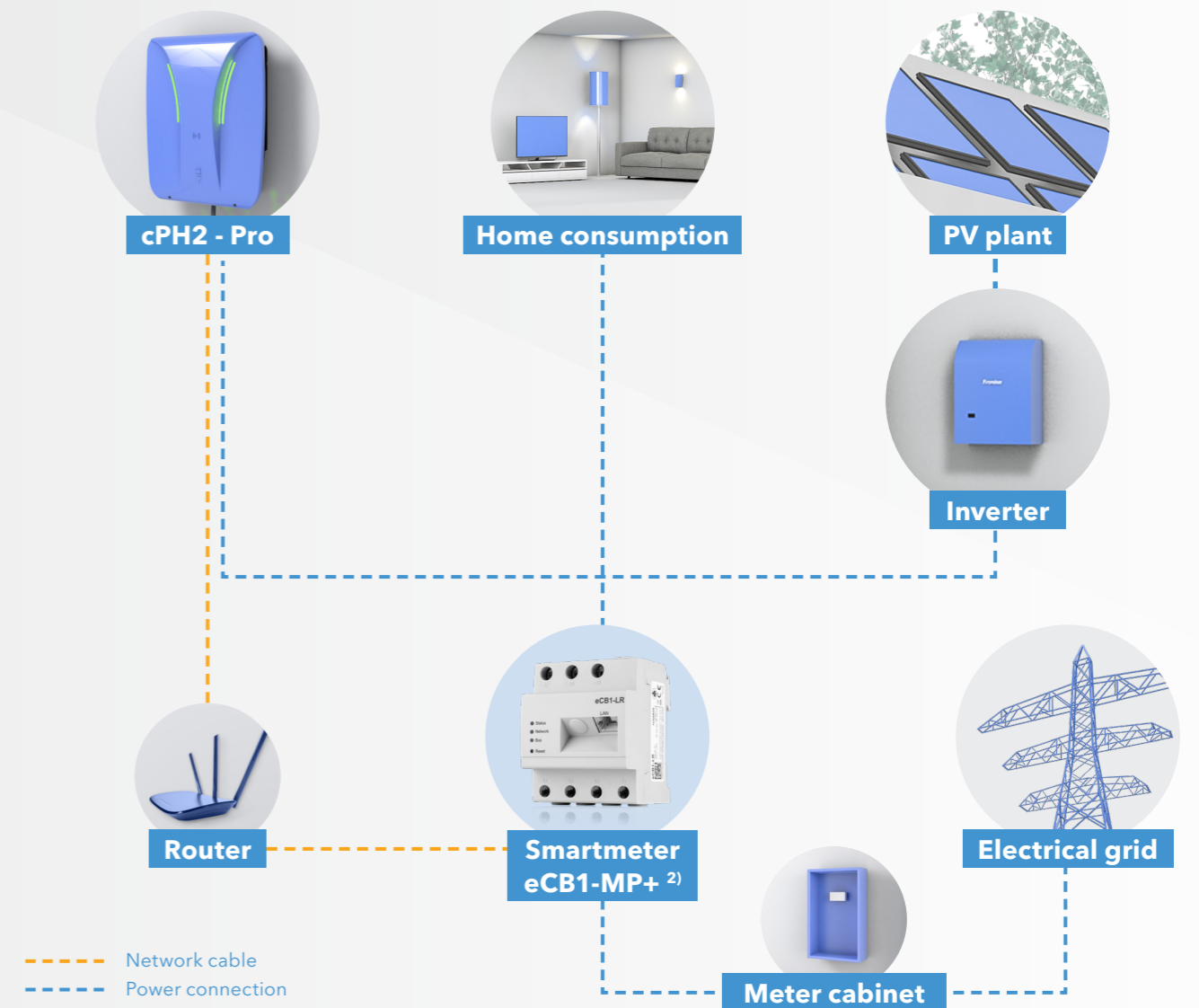


BackEnd



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

Excess PV charging



Blending with CPμ2 and CPP2 is possible in the loading system

Hardy Barth Smartmeter eCB1-MP+

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



with current folding transformers up to 1000A

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)

optional accessories

- Switch 5-port (included as standard with cPH2 2T22 from Q3/2022)
- RFID module (authentication and release) **(3M40455)**
- GSM communication module (mobile radio for backend usage)
- Key switch (Eco/ Quick charge and charge stop) **(3M40416)**
- Stele **(3M40440)**, pedestal **(3M40432)**, Base Filler **(3M40460)** concrete foundation (free-standing installation) **(3M40420)**
- CPH2 Lid incl. LED and RFID · Designer Mount **(3M40423)**

Technical data

Power supply / Charge

Type	1T11	1T22 (compliant with calibration law)	2T22	2T44 (compliant with calibration law)
Automatic Phase Switching	integrated	Standard: integrated ¹ calibration law: not integrated	Right charging point integrated	not integrated
Connection terminals	1x terminal block, 5x10 mm ² (L1,L2,L3,N,PE)		2x terminal block, 5x10 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	Operating status, Red: Malfunction, Green: Ready, Yellow: Vehicle connected, Blue: Charging
Energy meter	MID conform (or in compliance with calibration law), per charging point
Load & energy 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
Control according to §14a EnWG	Potential-free utility contact / API interface

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