

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 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



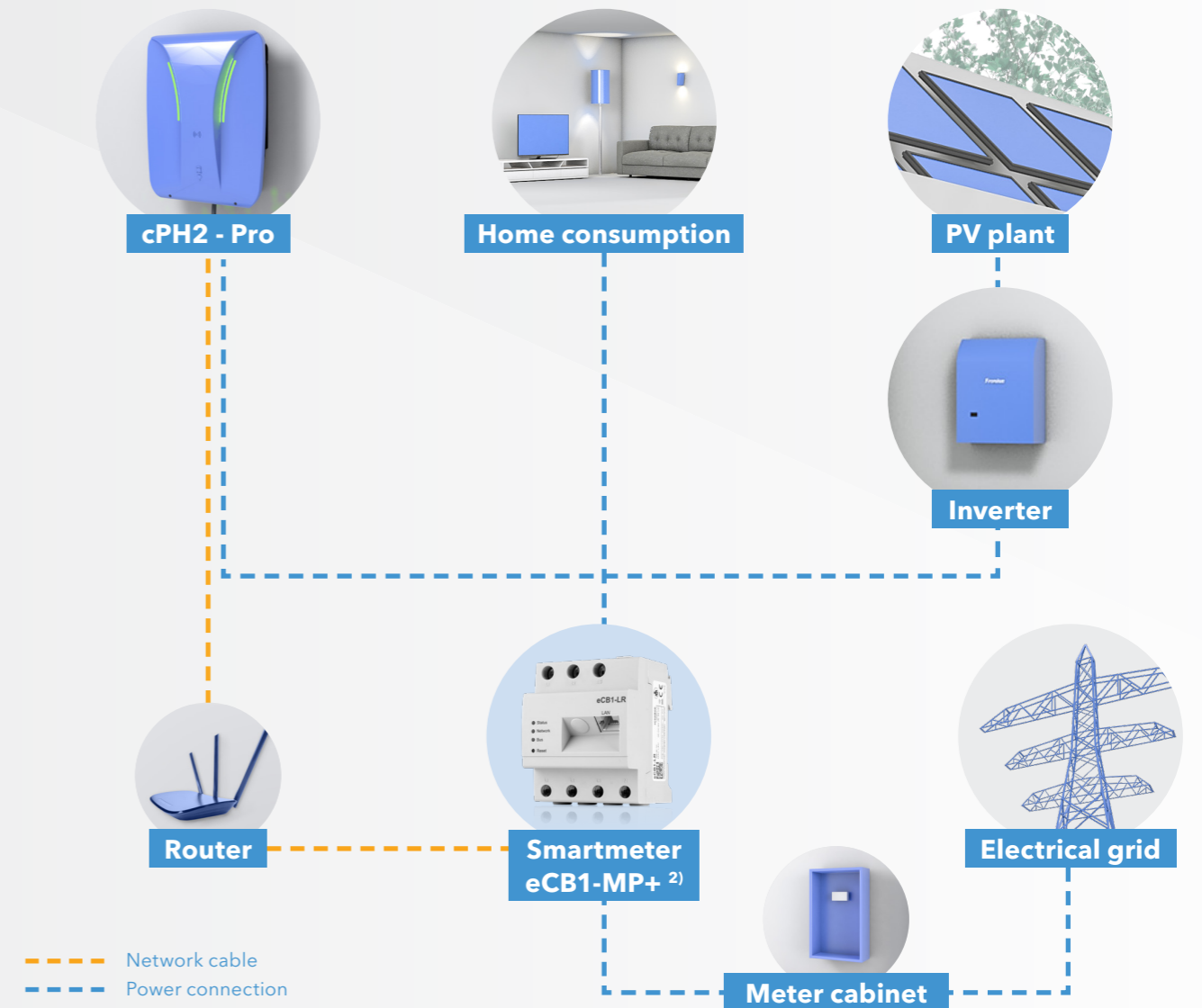
Load management



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)



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)
- 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