

2 years
manufacturer warranty

HARDY BARTH
emobility



cPP2

charging station

The charging station
for companies, municipalities and cities*

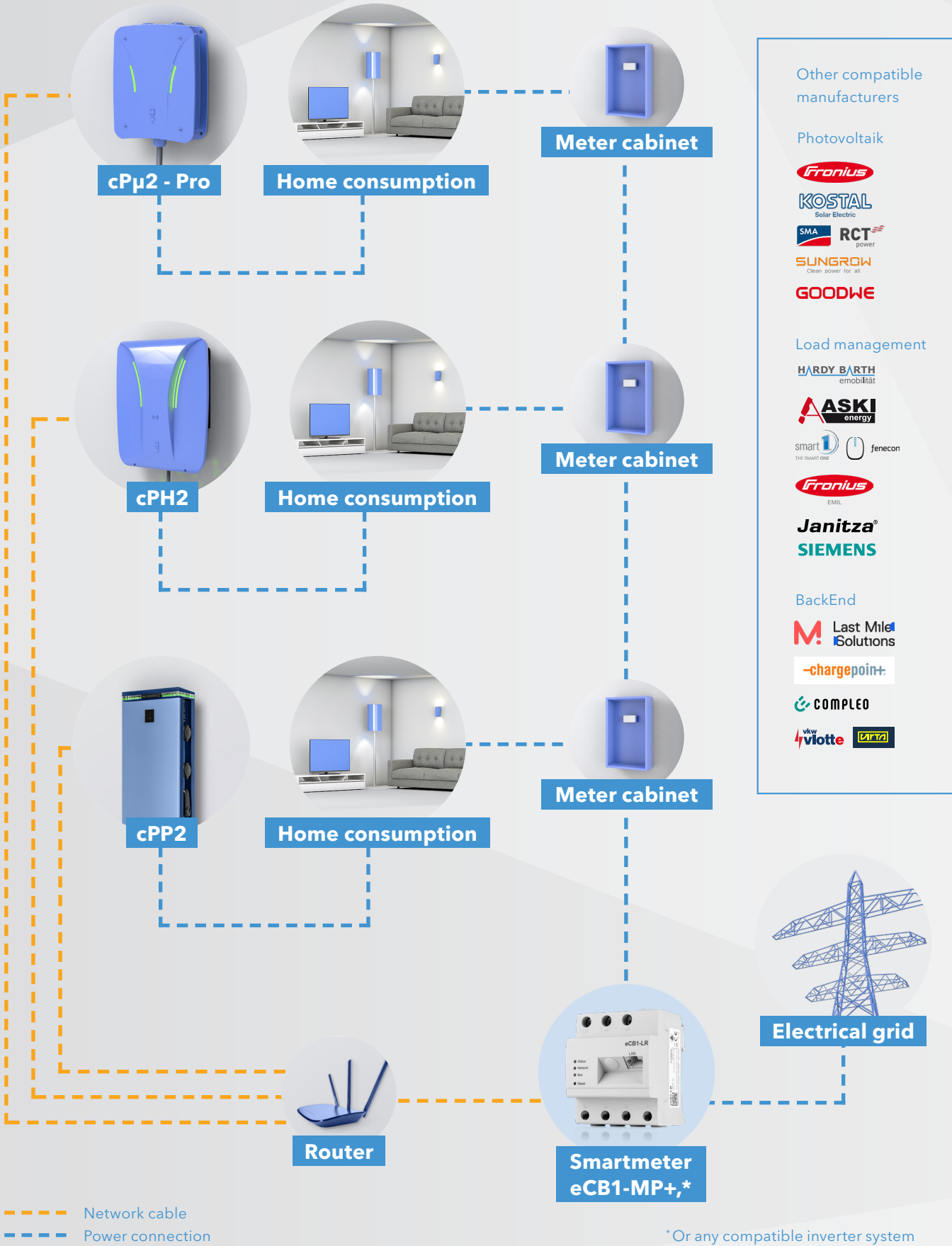
*For the public sector also available as
a legal-for-trade version



www.echarge.de

the local
load management

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)



Optional

with current folding
transformers up to 1000A

cPP2 charging station

- for the semi-public & public area
- easy installation (thanks to optional concrete foundation)
- Power from 11kW to 44kW
- Operating states via LED display
- Dynamic load management
 - between various charging points
 - PV controlled charging
 - Load peak avoidance
 - Smart Grid Ready

accessories

- Network connection (LAN) Switch 5-port internal
- Visualization via web interface & app
- Energy meter (MID-compliant or in conformity with calibration law)
- GSM communication module (optional or received as standard)
- Lock release by RFID card reader
- Concrete foundation, plinth, plinth filler (optional)
- Charge log integrated to record your charging processes

Technical data

Type	2T22	2T44	4T44
Connection terminals	1x terminal block, max. 5x35mm ² (L1, L2, L3, N, PE)		
Rated voltage / frequency	230V, 400V, 3-phase, 50Hz		
Rated current	32 A	63 A	63 A
Power supply	22 kW	44 kW	44 kW
Charging power max.	2 x 11 kW / 1 x 22 kW	2 x 22 kW	2 x 22 kW / 4x11 kW
Charging socket/ cable acc. IEC 62196-2	2x Type-2 32A cable or 2x Type-2 socket	2x Type-2 32A cable or 2x Type-2 socket	2x Type-2 32A cable and 2x Type-2 socket or 4x Type-2 socket
Protection			
Type	2T22	2T44	4T44
DC fault current detection	electronic, DC-RCM, IΔn d.c.≥ 6 mA, per charging point		
Circuit breaker and residual current circuit breaker (integrated)	2x RCBO type A C32 / 0,03	2x RCBO type A C32 / 0,03	4x RCBO type A C32 / 0,03

Features

RGB LED's	Shows operating status
Energy meter	MID-compliant (or calibration law-compliant), integrated per charging point
Load management	Dynamically between charging points
Excess PV charging	With compatible system
Authentication	RFID Mifare DESFIRE and LEGIC Prime & Advant
Charge release	Local RFID, Webinterface, Backend (optional)
Communication/ Data connection	PLC (PowerLAN), Ethernet, Mobile radio (for back-end connection) optional or included as standard (calibration right)
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
Overvoltage protection	yes (type 1 and 2)
Charging socket according to IEC 62196-1	2x type 2 socket / 1x safety socket (for 2T22 and 2T44)

Conditions / Standards

Operating temperature	-25 °C to 50 °C
Storage temperature	-25 °C to 85 °C
Relative humidity	5 to 95%, no condensation
Standards	IEC 61851-1, Mode 3
Class of protection	II
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44
Maximum elevation	≤ 2,000 m NHN

Housing

brand	cPP2		
Type	2T22	2T44	4T44
Dimensions (mm)	H: 1480mm B: 440mm T: 203mm		
housing	Galvanized sheet steel, powder coated, lockable (swing lever with double locking cylinder)		
Color	Door RAL 7035 (light gray) Body RAL 9005 (deep black)		
Weight charging station	47kg	47kg	55kg
Item number	3M1xxxxx		