

eCharge-Hardy-Barth-charging stations

Status: 11.08.23



Properties	cPμ2 LITE (Wallbox)	cPμ2 PRO (Wallbox)	cPH2 11kW (Wallbox)	cPH2 22kW (Wallbox)	cPH2 44kW (Wallbox)	cPP2 22 kW (pole)	cPP2 44 kW (pole)
Charge points (number)	1	1	1	1 / 2	2	2	2 / 4
Total power (max.)	11 kW	11 kW	11 kW	22 kW	44 kW	22 kW	44 kW
Rated current (max.)	16 A	16 A	16 A	32 A	63 A	32 A	63 A
Charging cables (Permanently connected)	4m spiral 5m, 8m smooth	4m spiral 5m, 8m smooth	4m spiral 5m, 8m smooth	4m spiral 5m, 7m, 10m smooth	4m spiral 5m, 7m, 10m smooth	4m spiral 5m, 7m, 10m smooth	4m spiral 5m, 7m, 10m smooth
Socket / Cable	- / ✓	- / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Calibration law	-	-	-	✓	✓	-	✓
Calibration law (Charging cable / Socket)	- / -	- / -	- / -	4m smooth 32A / ✓	4m smooth 32A / ✓	- / -	4m smooth 32A / ✓
Intended use	private sector	private sector	private sector	private/ semi-public sector	(semi) public sector	semi-public sector	(semi) public sector
MCB per charge point/ RCD leakage circuit breaker	required on site	required on site	required on site	required on site	required on site	2x RCBO Type A C32 / 0,03	2x RCBO Type A C32 / 0,03
DC-fault current detection	internal included (s. datasheet)	internal included (s. datasheet)	internal included (s. datasheet)	internal included (s. datasheet)	internal included (s. datasheet)	internal included (s. datasheet)	internal included (s. datasheet)
Conductor cross-section power supply	min. 5 x 2,5 mm ² max. 5 x 4 mm ²	min. 5 x 2,5 mm ² max. 5 x 4 mm ²	min. 5 x 2,5 mm ² max. 5 x 10 mm ²	min. 5 x 6 mm ² max. 5 x 10 mm ²	min. 5 x 6 mm ² max. 5 x 10 mm ²	min. 5 x 6 mm ² max. 5 x 35 mm ²	min. 5 x 6 mm ² max. 5 x 35 mm ²
Number power supply	1	1	1	1 / 2	2	1	1
Energy meter (MID-energy meter)	-	external (in carton) enclosed	internally installed	internally installed	internally installed	internally installed	internally installed
Energy meter (legal for trade)	-	-	-	internally installed	internally installed	-	internally installed
Excess PV charging	-	with compatible PV-Systems	with compatible PV-Systems	with compatible PV-Systems	with compatible PV-Systems	with compatible PV-Systems	with compatible PV-Systems
Authentication (RFID)	-	RFID Mifare Desfire & LEGIC Prime & Advant (optional)	RFID Mifare Desfire & LEGIC Prime & Advant (optional)	RFID Mifare Desfire & LEGIC Prime & Advant (optional)	RFID Mifare Desfire & LEGIC Prime & Advant (optional)	RFID Mifare Desfire & LEGIC Prime & Advant (optional)	RFID Mifare Desfire & LEGIC Prime & Advant (optional)
Key switch "Modi"	-	-	✓	✓	✓	-	-
EVU-contact	-	✓	✓	✓	✓	✓	✓
Communication / Data connection	-	PLC (PowerLAN), Ethernet	PLC (PowerLAN), Ethernet, optional mobile communication (f. BackEnd)	PLC (PowerLAN), Ethernet, optional mobile communication (f. BackEnd)	PLC (PowerLAN), Ethernet, optional mobile communication (f. BackEnd)	PLC (PowerLAN), Ethernet, optional mobile communication (f. BackEnd)	PLC (PowerLAN), Ethernet, optional mobile communication (f. BackEnd)
Vehicle communication	-	IEC 61851-1 „Mode 3“ and ISO 15118 ready	IEC 61851-1 „Mode 3“ and ISO 15118 ready	IEC 61851-1 „Mode 3“ and ISO 15118 ready	IEC 61851-1 „Mode 3“ and ISO 15118 ready	IEC 61851-1 „Mode 3“ and ISO 15118 ready	IEC 61851-1 „Mode 3“ and ISO 15118 ready
Web interface	-	✓	✓	✓	✓	✓	✓
Load management (internal/external)	- / -	- / ✓	- / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Power control	via rotary switch	via web interface or rotary switch	via web interface or rotary switch	via web interface or rotary switch	via web interface or rotary switch	via web interface or rotary switch	via web interface or rotary switch
Overvoltage protection	-	-	-	-	-	✓ (Type 1 and 2)	✓ (Type 1 and 2)
Weight	ca. 5 kg	ca. 7 kg	ca. 12 - 15 kg	ca. 12 - 15 kg	ca. 12 - 15 kg	ca. 45 - 55 kg	ca. 45 - 55 kg
Degree of pollution	II	II	II	II	II	I	I
OCPP 1.6	-	-	✓	✓	✓	✓	✓

① You can find more information on our data sheets: <https://www.echarge.de/de/service/download>

Compatible PV-systems

PV	requires:
	Fronius smart meter, Fronius Datamanager Card 2
	SMA smart energy meter, SMA Homemanager 2.0
	Kostal KSEM, Kostal Plenticore+ in connection with KEM P and KEM C
	Inverter
	Inverter
	Inverter

Compatible load management-systems

			
Smart1	ASKI	FENECON	Janitza