



- Mode-3 charging, AC current, Type 1 and Type 2 plugs
- For 1- and 3-phase network, TN-S, TT, IT systems
- Plug & play installation, simple and intuitive operation
- LED indicator for charger status



Construction of station

- compact housing made mainly of PVC, locked with a key
- LED indicator – reading the device status (narrow vertical strip on the front cover),
- wall mounting (standard) or assembly on a stand (on request).

Charging of car

- Mode-3 charging, continuous power supply 16 A AC or 32 A AC (1- and 3-phase network), charging power from 3,7 kW to 22 kW,
- version with built-in socket (connector Type 2),
- version with a permanently connected 5 m long cable with a plug (connector Type 1 or Type 2).



Built-in equipment



- charge controllers (for all models GLB+, open protocol OCPP 1.5/1.6 SOAP, 1.6 JSON),
- Communication – WLAN network (for selected models GLB) or LAN, 4G/3G/2.5G network (for selected models GLB+)
- electronics supporting communication between the station and the connected car,
- residual current circuit breaker (1- and 3-phase station),
- meter for local electricity metering (for selected models).



Accessories, options

- RFID card reader and Wi-Fi router – remote activation, access authorization, card/token tagging, defining charging current and availability time (for selected models),
- external digital energy meter MODBUS or RS-485 (on request),
- possibility to activate DLM – dynamic load balancing (for selected models).

Charging stations GLB, GLB+

a modern solution for home use and even more

The convenience of charging electric vehicles and plug-in hybrids is achievable today. The compact charging stations **GLB** allow BEV and PHEV vehicles to be fully charged on your property. The devices meet the highest safety standards and their design makes them extremely easy to use. An extended version of the devices **GLB+** can be installed as generally accessible stations, in accordance with the provisions of the Act of 11 January 2018 on electromobility and alternative fuels. Recommended places of installation: garages and carports, parking lots in hotels and guesthouses, closed public spaces, machine parks.



- Remote communication and system control
- Simplicity of usage, extensive equipment
- Economical solution

Technical data: GLB, GLB+

Supply AC / charging	1-phase network	3-phase network
Rated load current (category AC1)	16 A, 32 A / 230 V	32 A / 400 V
Working charging current range (50 Hz)	6...16 A, 6...32 A	6...32 A
Charging power	7,4 kW	22 kW
Charging mode	Mode-3	
Vehicle connection BEV or PHEV (EN 62196)	socket: connector Type 2 cable with plug: connector Type 1, Type 2	socket: connector Type 2 cable with plug: connector Type 2
Installation in power grid (IEC 60364-4-41)	TN-S, TT, IT system	
Built-in protection	1-phase network	3-phase network
Residual current circuit breaker	RCBO Type A or RCCB Type A	RCCB Type A
General data	1-phase network	3-phase network
Dimensions (L x W x H)	422 x 205 x 124 mm	
Weight	socket: about 3 kg cable with plug: 3,8...4,1 kg	socket: about 3 kg cable with plug: 5,4 kg
Operating temperature	-25...+40 °C (-35...+55 °C storage)	
Cover protection category (EN 60529)	IP 44	
Degree of mechanical strength (EN 60208)	IK 08	
Indicator (LEDs)	green continuous - ready to charge green flashing - device connected to the vehicle green fast flashing - the device is waiting for authorization (e.g. RFID card) blue flashing 3 times - charging starts blue continuous - charging in progress red flashing - connector failure red fast flashing - charging process interrupted (e.g. too high temperature in the station or detection of a DC error) red continuous - protection activation yellow flashing - engine lock slot not locked yellow red - wrong cable	
Mounting (indoor / outdoor)	wall-mounted (distance from ground level to bottom edge of charger 0,5...1,5 m) on a stand (single or double, dedicated to the charger)	
Recognitions, directives, compliance with standards	CE, RoHS, MID, IEC 61851-1, IEC 61851-22, IEC TS 61439-7, IEC 60364-7-722	

Selection table: GLB, GLB+

Station		Built-in equipment		Network			RFID card reader	DC monitoring	Power [kW]
socket (Type 2)	cable with plug (Type 2)	protection RCBO Type A / RCCB Type A	meter of energy	WLAN	LAN	4G			
GLB									
353579	353582	RCBO	Modbus	yes	–	–	optional	yes	7,4
353581 ❶	353580 ❶	–	Modbus	yes	–	–	optional	yes	22
353116 ❷	353118 ❷	–	–	–	–	–	–	–	22
353406	353407	RCBO	Modbus	–	–	–	–	yes	7,4
353410	353408	RCCB	–	–	–	–	–	yes	22
GLB+									
353460 ❶	–	RCBO	Modbus	–	–	yes	yes	yes	7,4
353463 ❶	353462 ❶	–	Modbus	–	–	yes	yes	yes	22
353457 ❶	353456 ❶	–	Modbus	–	yes	–	yes	yes	22

❶ The installation must be retrofitted with a residual current circuit breaker Type A (RCCB Type A).

❷ The installation must be retrofitted with a residual current circuit breaker Type B (RCCB Type B).

In any case, the installation must be protected against the effects of short circuits and overloads.