

AMPERFIED WALLBOX CONNECT.SOLAR SMART CHARGING WITH SELF-GENERATED SOLAR POWER



Technical highlights of the Amperfed Wallbox connect.solar

- \ Optimised charging using self-generated solar power
- \ Integrated solar management system** with external Amperfed PowerMeter***
- \ Intelligent PV surplus charging by means of integrated phase changeover
- \ Connection to Home Energy Management Systems (HEMS) via Modbus TCP
- \ Connection to backend systems with OCPP 1.6 (optional: secure)
- \ Wallbox control and monitoring app
- \ Authentication via RFID
- \ LAN and WLAN integrated
- \ Web interface for additional configuration, control and monitoring options
- \ Optionally with integrated RCD type A, 30 mA AC, in accordance with IEC61008-1*
- \ Practical holder for charging coupler
- \ Flexible cable feed-in simplifies installation
- \ Customisable front panel design

**CLEVER,
SOLAR
OPTIMISED**

* Available as a variant

** Via software update from Q4/2023

*** Available separately

TECHNICAL DATA

Standards	EN61851-1; EN61439-7
Charging power	Up to 11 kW
Rated voltage	230 V - 400 V
Rated current	Can be set from 6 A to 16 A in 2 A increments
Rated frequency	50 Hz
Charging mode	1-, 2- or 3-phase
Phase changeover	Integrated changeover control function
Types of grid	TT/TN
Connection technology	Spring terminal technology (2.5 mm ² to 6 mm ²)
Cable feed-in/cable entry	Surface or flush mounting – Ø 10 to 20 mm
Connection cross-section	0.5 mm ² to 6 mm ² – solid conductor (rigid) 0.5 mm ² to 6 mm ² – stranded conductor (flexible) 1.5 mm ² to 4 mm ² – stranded conductor (flexible) with wire end ferrule. The respective national installation regulations must be observed.
Charging connection/coupler	Type 2
Charging cable length (m)	5 m/7.5 m
Status information	Front illumination
External activation/deactivation of the Wall-box	RFID, app, Modbus, activation input
Data interfaces	LAN/WLAN (2.4 GHz/IEEE 802.11 b/g/n); RS-485
Communication protocols	OCPP 1.6 (optional: secure); Modbus TCP
App	Yes (myAmperfied)
Load management	Yes, can be used as a follower
Home Energy Management	Yes, via Modbus TCP with external HEMS for functions such as PV surplus charging and phase changeover
Solar management system	Yes, integrated PV surplus charging** with external Amperfied PowerMeter***
Type of protection	IP54 (protected against water spray)
Residual current detection	DC 6 mA acc. to IEC62955; optional: integrated RCD type A, 30 mA AC, acc. to IEC61008-1*
Protection from mechanical impacts	IK08
Operating temperature range (°C)	-25°C to +40°C
Temperature behaviour	The charging current is permanently available within the operating temperature range. Charging is interrupted if the temperature becomes too high. Charging resumes automatically after a cooling-down phase.
Storage temperature range (°C)	-25°C to +80°C
Permitted relative humidity (%)	5% to 95%
Elevation (m)	Max. 2,000 m above sea level
Protection class	I
Overvoltage category	III
Dimensions (W × H × D) (mm)	462 mm x 345 mm x 142 mm
Weight	Approx. 6.8 kg



DO YOU HAVE QUESTIONS?

Contact our hotline on:
+49 6222 82-2266
support@amperfied.com
www.amperfied.com