

HEIDELBERG WALLBOX ENERGY CONTROL

SMART WALL CHARGERS FOR SMART LOAD MANAGEMENT



Technical highlights of Heidelberg Wallbox Energy Control

- \ Local load management starting from two connected wall chargers
- \ Connection of up to 16 wall chargers
- \ Modbus RTU for external load management (e.g. via HEMS)
- \ High-quality, robust stainless steel front
- \ Rated current (adjustable): 6 to 16 amps
- \ 230-volt (single-phase) or 400-volt (three-phase) connection
- \ Integrated residual current detection: 6 mA DC in accordance with IEC 62955
- \ Optional access control via control element, e.g. RFID, key switch, etc.
- \ Charging cable: Type 2

**SAFE,
INEXPENSIVE,
DYNAMIC.**

TECHNICAL SPECIFICATIONS

Standards	EN 61851-1; EN 61439-7
Charging capacity	up to 11 kW
Rated voltage	230 V–400 V
Rated current	adjustable from 6 A to 16 A in 2 A increments
Rated frequency	50 Hz
Charging mode	1-, 2- or 3-phase
Network types	TT/TN
Connection technology	Spring clamp technology (2.5 mm ² to 6 mm ²)
Cable entry	Surface- or flush-mounted – 9 to 17 mm
Connection cross section	1 mm ² to 10 mm ² – solid conductor (rigid) 1 mm ² to 10 mm ² – fine-stranded conductor (flexible) 1 mm ² to 6 mm ² – fine-stranded conductor with ferrule (flexible) The relevant national installation regulations must be observed.
Charging connector/coupler	Type 2
Charging cable length (m)	5 m/7.5 m
Status information	Front light
Data interface	RS-485/Modbus RTU
External wall charger release/locking	External RFID module, key switch, ripple control signal for grid-friendly charging (maximum charging current/reduced 8 A charging) or via Modbus RTU.
Protection rating	IP54 (splashproof)
Residual current detection	6 mA DC in accordance with IEC 62955
Protection against mechanical impact	IK08
Operating temperature range (°C)	–25°C to +40°C
Temperature behaviour	The charging current is made available permanently within the operating temperature range. If the temperature is exceeded, the charging process is interrupted. The charging process than restarts automatically following a cooling period.
Storage temperature range (°C)	–25°C to +80°C
Permissible relative humidity (%)	5% to 95%
Altitude (m)	Max. 3,000 metres above sea level
Protection class	I
Overvoltage category	III
Dimensions (W × H × D)(mm)	386 mm × 295 mm × 112 mm
Weight	Approx. 8 kg



ANY QUESTIONS?

Our hotline will be happy to help:
+49 (0)6222 82-2266
support@amperfied.com
www.amperfied.com