



KWB-AC40

The charging station for your home and business



In a semi-public environment, in commercial or hotel operations or with extended use of the wallbox in the private sector, the requirements also increase. The extensive function set of the AC40 provides additional flexibility in charging management. Whether charging socket for mobile charging cables or Plug & Charge option (ISO 15118 - Power-Line-Communication), MID energy meter, management interface (OCPP 1.6), PV surplus charging, load management or cluster operation - with the AC40 you are ready to go.

Naturally supported by the KATHREIN [easyCharging app](#).

Main features

WIFI, LAN, TCP/IP

PV surplus store

Ideal for company cars thanks to MID meter

Durability with class IP54 and IK10

Integrated load management

Plug & Charge ready (ISO15118)

Prepared for bidirectional charging

Automatic 1- and 3-phase switching

§Section 14a EnWG - Grid management

Single and cluster operation

Bakeable via OCPP

Comprehensive app control

Modbus TCP

Access control - RFID

Backend compatibility

Last Mile Solutions, ladenetz.de (SmartLab), chargeIQ, eCarUp, Monta, enio, reev, chargecloud, be.ENERGISED (ChargePoint)

Smart meter compatibility

Gossen (GMC), Siemens, Carlo Gavazzi, Eastron, Sunspec Protocol

Status 02/2025

Technical data:

General technical features	
Charging power	11 kW or 22 kW
Operating current	1 x 16 A 3 x 16 A 1 x 32 A 3 x 32 A
Operating voltage	230 V (1-phase) 400 V (3-phase) (TN-S system)
Overvoltage category	III (IEC 60664-1)
Charging points	1
Charging mode	Mode 3 (IEC 61851-1 – CP/PP)
DC fault current detection	I_{Δn} d.c. ≥ 6 mA
Temperature monitoring	internal sensors
Plug & Charge	Fully automatic charging without activation
Charging interface	
Charging cable – type 2	11 kW: 5 m or 7.5 m 22 kW: 5 m or 7.5 m
Charging socket – type 2	11 kW or 22 kW
Hardware functions	
Redundant self-supply	Increased availability and operational reliability thanks to redundant 3-phase power supply unit
Automatic 1-/3-phase switching	Adaptive power adjustment for low charging power
Integrated 2-port Ethernet switch	Ethernet chaining for simplified network installation
3-fold phase detection	Detection of phase failures for increased operational safety
Emergency unlocking of charging socket	Charging socket is automatically and safely unlocked in the event of a power failure
LED status display	Display of charging modes and error states
Mechanical data	
Zul. Ambient temperature Operation	-25 to +40 °C
IP protection class	IP54
Impact resistance	IK 10
Mounting type	Wall mounting with the aid of a mounting plate
Wallbox dimensions	300 x 440 x 159/139 mm
Interfaces	
LAN	Ethernet switch 2 x RJ45 (100 Mbit)
WLAN	802.11ac/a/b/g/n, 2.4 and 5 GHz (MIMO)
RFID	ISO 14443A, MIFARE Classic, 7-byte UID
USB	2 x type A 2.0 (on request)
IO	2 x input, 1 x output (galvanically isolated)
RS485	Serial interface (on request)
Dimensions & weight	
Wallbox dimensions: 300 x 159 (139) x 440 mm	
Weight: 6.045 kg	

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Dimensions & weight

Wallbox packaging dimensions: 400 x 600 x 212 mm

Charging cable packaging dimensions: 400 x 600 x 114 mm

Scope of delivery:

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- Wallbox
- Clamping piece incl. Screws and washers
- Wall bracket / cable holder* incl. Screws
- Cable glands D12, D20, D32 / cable ties*
- Charging plug retention for variant with integrated charging cable
- 2 RFID tag (red and white)
- Operating instructions /
- Quick Installation Guide

* only for variant with permanently installed cable

Downloads

- [App easyCharging - Kurzanleitung \(Version: 1 - Größe: 200.92 KB\)](#)
- [Broschüre PV-Überschuss-Funktion \(Version: 1 - Größe: 412.58 KB\)](#)
- [Firmware KWB-xx \(Version: 01/2025 2.3.2 - Größe: 131.76 MB\)](#)
- [KATHREIN eMobility Brochure - EN \(Version: 04/2024 - Größe: 8.79 MB\)](#)
- [KATHREIN eMobility-Prospekt - DE \(Version: 02/2024 - Größe: 8.84 MB\)](#)
- [KWB AC40 - Produktdatenblatt \(Version: 02/2025 - Größe: 168.51 KB\)](#)
- [KWB AC40 | KWB AC60 - Bedienungsanleitung \(Version: 08/2024 - Größe: 3.96 MB\)](#)
- [KWB AC40 | KWB AC60 - Technische Daten \(Version: 08/2023 - Größe: 340.18 KB\)](#)
- [KWB AC40E | KWB AC60E - Technische Daten \(Version: 08/2023 - Größe: 330.54 KB\)](#)



Produkt Galerie / Product Gallery:

