KATHREIN
Digital Systems GmbH



KWB-AC60

The charging station for more mobility

The AC40 function package is the right basis, but your customers want even more mobility? With LTE networking and the expandable 5G function, the KWB-AC60 offers exactly the right set-up for all applications, supported by the KATHREIN easyCharging app.

Main features
WIFI, LAN, LTE 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

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Technical advice for the specialized trade:
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eMail: suppCity@kathrein-ds.com
Phone: +49 731 270 909 70

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**Δ**n 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		
LTE		
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)	

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Weights and measures:

Wallbox dimensions: 300 x 159 (139) x 440 mm
Weight: 6.045 kg
Wallbox packaging dimensions: 400 x 600 x 212 mm
Charging cable packaging dimensions: 400 x 600 x 114 mm

Scope of delivery:

- Wallbox with cover and frame
- Mounting plate for wall mounting
- Wall bracket / cable holder* incl. Screws
- 2 RFID tag key fobs
- Charging plug holder for variant with integrated charging cable
- Cable bushings
- 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 - Product Data Sheet (Version: 02/2025 - Größe: 168.26 KB)
- 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)
- KWB AC60 - Produktdatenblatt (Version: 02/2025 - Größe: 168.21 KB)

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Produkt Galerie / Product Gallery:








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