KATHREIN
Digital Systems GmbH



KWB-AC60 E

11 kW / 22 kW - Compliant with calibration law

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.

Main features
Compliant with calibration law
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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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			
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
- 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

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 AC40 E - Produktdatenblatt (Version: 02/2025 - Größe: 171.66 KB)
- KWB AC40E | KWB AC60E - Technische Daten (Version: 08/2023 - Größe: 330.54 KB)
- KWB AC60 - Product Data sheet (Version: 02/2025 - Größe: 168.11 KB)
- KWB AC60 - Produktdatenblatt (Version: 02/2025 - Größe: 168.21 KB)

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Produkt Galerie / Product Gallery:








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