

KOSTAL^{ize}

your mobility



AC PRO WALLBOX

Unidirectional AC wallbox
in 7.4 / 11 / 22 kW*

KOSTAL technology – Powerful and flexible AC wall boxes

KOSTAL Charging Solutions offers customised AC wall boxes which reliably master every charging requirement thanks to maximum flexibility.

Meter variant: The KOSTAL AC Wallbox is equipped with an integrated energy meter (7.4 kW) and MID-compliant (11 kW and 22 kW). Metering and calibration-compliant versions (11 kW and 22 kW) will follow.

Charging connector: All versions of the AC Pro Wallbox are available with charging cable or charging socket and can therefore be installed at different locations – whether garage or parking lot.

Charging power: The KOSTAL AC Pro Wallbox is available in the power classes 7.4 kW, 11 kW or 22 kW. This means that the power can be flexibly selected according to your requirements.

Wide range of features

- ✚ Individual design
- ✚ Energy metering for optimum charging strategy
- ✚ Smart energy metering for compliant billing of charging processes
- ✚ Communication interfaces: LAN, WLAN, NFC, RFID, RS485
- ✚ Communication protocols: OCPP 2.0.1, ISO 15118, MOD Bus RTU
- ✚ Metering and billing in compliance with billing regulations
- ✚ HMI / user navigation: LED status display
- ✚ Authentication: RFID, Plug & Charge, App
- ✚ Remote connection to operator systems
- ✚ Connection to energy management systems

* KOSTAL Charging Solutions also offers the AC Wallbox bidirectionally on request.

Customised AC wall boxes

✚ Design:

Three different customization levels from branding, through the color to the individual shape of the lid (while retaining the interfaces to the basic device) ensure the recognition value of your company.

✚ Features:

Thanks to the wide range of different functions such as power class, communication interfaces and -protocols, the wallbox is tailored precisely to your needs.

✚ Specifications:

KOSTAL can look back on 100 years of experience as an automotive supplier. So creating specifications as well as developing products to meet specifications are part and parcel of what we do day in, day out.

✚ Procedure:

From the first idea to a concrete project, KOSTAL Charging Solutions is your contact for individual wall boxes.

	KOSTAL AC Pro
Product	Wallbox
Charging mode	AC
Charging mode	Mode 3
Power flow	Unidirectional
(Maximum) charging power	7.4 kW / 11 kW / 22 kW
Configurable charging power	Yes
Number of charging points	1
Charging plug connection	Charging cable, charging socket
Charging plug type	Type 2
Cable length (in m)	7.5
Labelable	Yes
Customisable	Logo / Colour
HMI	LED status lights
Authentication	Release via external signal / RFID, Autocharge (optional) / Plug & Charge according to ISO 15118 / App or QR code
Communication interfaces	RS485 / LAN / WLAN / LTE-Modem
Other (internal) interfaces	HMI-board / RFID/NFC-board / (Touch) display connector
Communication protocols	MOD Bus RTU / MOD Bus TCP / EE Bus / ISO 15118 (ready) / OCPP 1.6 and 2.0.1
Different charging modes	Yes
Charge point management	Connection to external HEMS - KSEM for control / monitoring via communication data points (user assignment)
Load management	Charging point control of 5 wallboxes (incl. shift load, blackout protection, distribution!) and address settings of the individual wallbox directly on the unit, e.g. via the web server (control via HEMS/ KSEM)
Energy management	Intelligent charging via EE bus / Connection to local HEMS via MOD Bus RTU and MOD Bus TCP interface.
Energy meter	Integrated energy meter / MID compliant / Compliant with calibration laws (in the course of 2024)
Backend connection via OCPP	Yes
DC fault current detection 6mA	Yes
Protection class	IP54
Impact resistance	IK09
Dimensions (in mm)	374 x 259 x 128
Weight (in kg)	< 7

Subject to technical changes.

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