

DELTRIX

charging solutions



Mini AC Wallbox

To charge more securely and faster than normal power outlets, you need a charging station. This attractive, mini, Mode 3 Wallbox supporting from 3.6 KW on one Phase to 11KW on three Phases is targeted at those who are interested in having a simple, easy to install, affordable and most of all safe solution for charging their electric car.

The Wallbox offers maximum recharging performance and very efficient use of energy at an exceptionally low cost. They are suitable for quick and easy installation in any in or outdoor environment e.g. private garage, holiday home or company parking areas.

The unit is also a favorite with electricians by being quick and easy to install and most of all safe!

Our Technology Your Charger

Key Features

- Affordable Mode 3 Charger
- Compact Form Factor (WxHxD) – 260mm x 202mm x 126.5mm
- Simple and quick electrical Installation
- For residential and free charging applications
- From 3.6 KW to 7.4KW on 1 Phase or 11KW on 3 Phases
- 16A or 32A Supply Supported
- 10-Step Adjustable Charging Current
- Compact weather-proof construction – IP54
- Durable, low maintenance enclosure – IK08
- Safe with built-in ground fault sensor
- Available with and without locking solenoid
- Suitable for Charging Cable Type 2
- Design your own, pick a colour and add your logo



Technical Specifications

Enclosure - Physical

Enclosure Material	ABS (UL94 HB Fire Rated), IK08 and IP54
Dimensions (WxHxD)	260mm x 202mm x 126.5mm
Weight	1.2KG
Temperature range (ambient)	-25°C to +50°C
Operating Humidity	5 to 95%
Protection grade	Dependent upon socket used
Mounting Process/options	Wall Mounted, Indoor or Outdoor (permanent mounting)
Socket (standard)	IEC 62196 Type 2, IP54 hinged lid, non-locking or non-locking
Cable Type	Type 2 (IEC 62196-2)
Supply Cable Entry	Ø20mm or Ø25mm hole drilled at site through bottom of enclosure

Controller Board - Physical

Dimensions (LxWxH)	120mm x 100mm x 44mm
Weight	150 grams
Mounting Process/options	3 Holes
Embedded microcontroller	Atmel
Firmware	Embedded
Onboard temperature monitoring	Yes, in micro-controller
Power supply	On-board
Pluggable connectors	Charging Socket + Mains Supply
Reprogrammable Firmware	Yes, with clip-on connector

Controller Board - Electrical

Mode	3
Power Rating	Power Rating: 3.6 KW (16A, 1 Phase), 7.5KW (32A, 1 Phase), 11KW (16, 3 Phase)
Current Settings	10-Step adjustable charging current (Amps: 6, 8, 10, 12, 13, 16, 18, 20, 25, 32)
Earth Leakage Protection	Built-in ground fault sensor (RCM14 for DC current max 6 mA)
Status Lights	LEDs with Clear, Connected & Charging
Phases	Single or 3 Phases with add-on board
On-board relays	Up to 40A
Supply Connections	L1, L3, L3, N, PE 2.5 - 10mm ²
Nominal Supply	230VAC 50Hz
Over Current Protection	40A Supply
Standby Power Consumption	~3W

Controller Board - Interfacing

RFID	No
Buzzer	No
kW/h energy meter support	No
Power sensing	No
Master/slave – Load Balancing	No
Lock Controller	No
Proximity pilot & control pilot	Yes
LED	LEDs with Clear, Connected & Charging (via LED Pipe)
LCD Support	No
CAN-bus	No
Ethernet interface	No
RCD status	Trip Detect
Contactors Failure status	No
Contactors enable	On-board relays
GSM Antenna & GPS Antenna	No

Part Numbers

DE36LCAC-1S (16A, 3.6KW) or DE36LCAC-1 (16A, 3.6KW) – Non-locking
DE74LCAC-1S (32A, 7.4K) or DE74LCAC-1 (32A, 7.4KW) – Non-locking
DE11LCAC-3S (16A, 11KW) or DE11LCAC-3 (16A, 11KW) – Non-locking

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