

DELTRIX

charging solutions



DELTRIX 30kW DC Wallbox Charger

The Deltrix DG30WDCM is a smart, compact, yet elegant wall-mounted DC Fast Charger. It has been designed for standalone and high-end installations that require reliable backend integration, monitoring and frequent interoperability updates.

The standard version of the charger supports DC Fast Charging with a CCS2 and an AC Charging Port supporting charging up to 22kW and thus maximising your investment.

The Wallbox has an integrated RFID reader that supports user identification. The user interface is via a 10" LCD Display. The Internet connection is via 3G/4G to allow the unit to be connected to the customer's backend system or charging station management platform using the OCPP or any proprietary protocol. Our Open API Interface ensures that the customer can independently complete the integration into any backend quickly and independently.

Key Features

- Wall-mounted for indoor and outdoor use (IP44, IK10)
- CCS2 combo with 3.5M Cable
- Wide range of output voltages, 150-1000VDC
- 22kW AC Port with Type 2 Connector
- Dynamic power management to minimize charging time
- Efficiency > 95% at nominal output power
- Intelligent RFID card reader
- 10" LCD screen and user-friendly interface
- Energy Meters on both input lines as standard for maximum charging transparency
- DC Leakage Detection for Type 2 Charging and Insulation Monitoring as standard
- Communications: GSM/GPRS/LTE and Ethernet
- Back-office system integration with OCPP 1.5/1.6/2.0 via the Open API Programming Kit
- Easy to install, operate and service
- Customization available with your logo

Application Areas

- Public and Private Garages
- Commercial Buildings
- Hotels and Restaurants
- EV Dealerships
- Commercial Fleet Operators
- EV Infrastructure Operators and Service Providers



Technical Specifications

AC Input

Input Voltage	400VAC
AC Input Connection	2 x 3P + N + PE
Frequency	50 / 60 Hz
Input current (AC-DC)	DC <45A, AC 32A
Power Factor	>0.99 (APFC)
Full Load Efficiency	Highest efficiency>96%, rated efficiency>95.5%
Mains terminal	Terminal blocks. For DC up to 16mm ² . For AC up to 6mm ²
Input Protection	MCB for converter protection. RCDs for AC and DC side need to be installed in preinstallation. Residual current protection 6mA

DC Output

Output Voltage Range	150-1000VDC
Max. Output Current (AC-DC)	0-80A
Max. Output Power	30kW
Voltage Accuracy	± 1%
Current Accuracy	± 1%
Output Protection	Short circuit protection, OCP, OTP, Residual current detection is integrated

DC Charge Point: CCS

Rating cable and gun	80 ADC / 1000 VDC. 3.5M Cable as standard
Compliance	IEC 61851-23 / -24, IEC 62198-3, DIN 70121

AC Charge Point

AC Socket at 22 kW	Mode 3 (IEC 62196-2), Type 2
Nominal AC voltage	400V
Maximum charging current	3 x 32A for 22kW
Protection	Residual current protection 6mA

General

Display	10" LCD Screen
Emergency Stop Control	Emergency stop button
Cable / Length	CCS2 / 3.5M. Longer cables available on request
User Authentication	RFID - ISO14443A, ISO/IEC 15693, MIFAR, NFC
Display Information	Charging process and status. Alarm and warning messages
External Communication	3G/4G and Ethernet
Internal Communication	CAN Bus and RS485
Dimensions (H x W x D)	840mm x 745mm x 137mm
Weight	<50KG excluding CCS cable
Protection	IP44
Backend Integration	OCPP 1.5/1.6/2.0 (future) using the Open API Interface and Programming Kit
Compliance and safety	RoHS: EN 50581, CE & IEC 61851-1
Energy Metering	Standard on both input lines (separate for AC and DC Ports)
Insulation Monitoring	Yes
Cooling	Forced Air / Fan cooling
Operating temperature	From -30°C to 45°C
Maximum relative humidity	95 %, non-condensing
Standby Power	75W
Enclosure	Base with powder coated Stainless steel, Cover with Steel and ABS Bezel
Warranty	24 Months
Software	OS – Operating System support CCS2 and AC Charging with interoperability updates Lifecycle - The charger management cloud solution over the complete charger Life Cycle Open API - The tool to integrate other devices and third-party software to your charger
Part Number	DG30WDCM-1LAC

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