

DELTRIX

charging solutions



DELTRIX 40kW DC Mobile Charger

The Deltrix DG40MDCC is a 40kW Mobile Charger that is an ideal solution for all types of Garages, Hotels, Car Dealerships, Workshops, Service Stations or Public Events. It is available with wheels for manoeuvrability or legs for a fixed location.

The unit with its fully modular construction has been designed to be simple to operate and service. The standard version of the charger supports DC Fast Charging with CCS or CHAdeMO. Optionally, an AC Charging Port can be included to support charging up to 22kW and thus maximising your investment.

The user interface is via a 10" LCD Display. The Internet connection is via 4G/5G to allow the unit to be connected to a backend system or charging station management platform using the OCPP or proprietary protocol. Our Open API Interface ensures that the customer can independently complete the integration into any backend quickly and easily. Interoperability for new EV Models is guaranteed through regular OTA updates.

Key Features

- Suitable for any indoor environment
- Output voltage: 150-1000VDC
- 63A CEE Connector
- Modular Construction with 30KW DC Power Modules
- Floor-Standing or with Wheels
- CCS2 Combo and CHAdeMO (3.5M)
- Optional Type 2 AC Charger up to 22kW
- Efficiency up to 95% at nominal output power
- 10" LCD Display and user-friendly interface
- Energy Meter for each port as standard
- Dual SIM Router for Back-office connections & Interoperability Updates
- Back-office system integration with OCPP & Open API
- Easy to install and operate (with Lifting Handles)
- Full customization available (colour and logo)

Application Areas

- Car Dealerships and Workshops
- Multistorey Parking Garages
- Hotel Chains, Restaurants, Public Buildings
- Service Stations, Fleet Operators
- Public Events



Technical Specifications

AC Input

Input Voltage	400V ± 10% with CEE Cable and Connector
AC Input Connection	3P + N + PE
Frequency	50 / 60 Hz
Input current (AC)	63A
Power Factor	>0.99 (APFC)
Full Load Efficiency	≥95%
Mains terminal	Terminal blocks. For DC up to 16mm ² . For AC up to 6mm ² MCB for converter protection. RCDs for AC and DC side need to be installed in preinstallation. Residual current protection 6mA
Input Protection Connector	CEE-Style for 32, 63 or 125Amp

DC Output

Output Voltage Range	150 to 1000V
Max. Output Current (DC)	0-120A with 2 DC Modules
Max. Output Power	40kW
Voltage Accuracy	± 1%
Current Accuracy	± 1%
Output Protection	Short circuit protection, OCP, OVP, LVP, OTP, Residual current detection

DC Charge Point: CCS

Rating cable and gun Compliance	125 ADC / 1000 VDC, IEC 61851-23 / -24, IEC 62198-3. 3.5m Cable as standard DIN 70121
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DC Charge Point: CHAdeMO

Rating cable and gun Compliance	125 ADC / 1000 VDC. 3.5m Cable as standard IEC 61851-23 / -24, JEVS G 105, Rev. 1.0.1
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AC Charge Point

AC Socket at 22 KW	Mode 3 (IEC 62196-2), Type 2
Nominal AC voltage	400V
Maximum charging current	3 x 16A of 11KW or 3 x 32A for 22 KW
Cable / access length	Socket only
Protection	RCD Type B

General

Display	10" LCD Display
Emergency Stop Control	Press emergency stop button
RFID User Authentication	RFID ISO14443A (M1/MIFARE Card) - Optional
Start/Stop Button	Optional instead of RFID Authentication
Display Information	Charging process and status, Alarm, and warning messages
External Communication	Dual SIM Router with ethernet and 4G/5G
Internal Communication	CAN Bus / RS485
Dimensions (H x W x D)	1021mm x 818mm x 736mm
Weight	<100KG
Protection	IP44, IK10 (other IP ratings on request)
Back Office Integration	OCPP 1.6/2.0 or proprietary protocol using the Open API Development Kit
Compliance and safety	RoHS: EN 50581, CE & IEC 61851-1
Energy Metering	Included for each port – AC and DC
Cooling	Forced Air / Fan cooling
Operating temperature	-20 °C to +40 °C
Maximum relative humidity	95 %, non-condensing

Part Numbers

DG40MDCC-1LAC: 40KW Workshop - CCS, LCD & AC

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