

MOBILE DC FAST CHARGER 88kW 450V



MOBILE AND POWERFUL

The MDC88 is intended for vehicle manufacturers and fleet operators with the highest demands on quick charging times for passenger cars and commercial vehicles.

Designwerk Products AG
 Wülflingerstrasse 147
 CH-8408 Winterthur
 +41 44 515 48 58
 info@designwerk.com
 designwerk.com

UNPARALLELED FLEXIBILITY

Weighing only 96kg, the MDC88 rapid charger is a mobile device. This makes quick charges available for test and fleet operations independent of their location.

HIGH COMPATIBILITY

The MDC88 mobile rapid charger can be operated using prevalent industrial power sockets and complies with the prevailing charge standards.

HIGH CHARGING CAPACITY

The MDC88 charges with up to 88kW. A CEE 125 or a CEE 63 connector is required on the AC side for operation.

CUSTOM FEATURES

We will customise the scope of delivery for your unit to your specific needs. So you can purchase all accessories, such as cables, from one supplier.

TECHNICAL SPECIFICATION

Measures	620x620x770mm (without castors)
Weight	96kg (without cable)
AC Input Data	88kW 3x125A 400V±-10% 45-65Hz optional 28kW 1x30A 230V±-10%
AC plug type	CEE 125, CEE 63, 3P+N+PE
DC output data	83kW, 240A, 270-450V (80A <315V and >430V)
DC plug type	Dual Port, CCS Type 2, CCS Type 1, CHAdeMO, GB/T
Efficiency	>94% from 10% Load
Power Factor	>0.99 from 15% Load
Conformity, security	CE, 2014/35/EG, IEC 61851, IEC61000-6-2,-3
Charging standard	DIN70121, ISO15118, CHAdeMO-Ver1.1, GB/T-27930-2015
Operation	7" color display, 10 buttons
Housing	Out- and Indoor IP54
Impact protection	IK8
Cooling system	infinitely variable, temperature dependent
Operating volume	< 65dB(A) @ 1m
Operating temperature	-20°C to +40°C
Relative humidity	5% to 95%, not condensating
Storage temperature	-20°C to +85°C



CHARGING TIME FOR	BATTERY CAPACITY	STANDARD 3.7kW	MDC88-450
BMW i3 94Ah	27.2kWh	2h 15min @11kW	25min
VW e-Golf 2017	31.5kWh	7h 25min	30min
Kia Soul EV 2017	30kWh	7h 10min	25min
Nissan Leaf/E-NV200 40	37kWh	8h 50min	40min
Hyundai Kona Electric	64kWh	15h 25min	45min
Jaguar I-PACE	85kWh	20h 25min	50min
Audi e-tron	83.6kWh	6h 45min @11kW	50min

All charging times refer to a charging of 80% of the manufacturer approved battery capacity.