

# MOBILE DC FAST CHARGER 44kW 920V



## UNPARALLELED FLEXIBILITY

At a weight of only 52kg, the MDC44-920 mobile rapid charger can be transported with minimal effort. So rapid charging is available anywhere, at any time.

## HIGH COMPATIBILITY

The MDC44-920 rapid charger can operate with all common connectors on both power supply and vehicle side.

## HIGH CHARGING CAPACITY

The MDC44-920 will charge with up to 44kW. Common CEE 16, CEE 32 or CEE 63 sockets are sufficient for operation.

## REASONABLY PRICED

Unlike an EV charging station, no personnel or financial outlay are required for installation. Since this unit is mobile, you save yourself the expense of setting up several installations.

## 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.

## FLEXIBLE AND PORTABLE

With the MDC44-920 you can load trucks, buses, airplanes and ships flexibly and in record time. Thanks to the use of state-of-the-art SiC semiconductors with low switching losses, a sophisticated circuit topology and new air cooling, the third generation MDC is even more compact and extremely powerful.

## TECHNICAL SPECIFICATION

Measures LxBxH	500x240x730 (without castors)
Weight	52Kg (without cable)
AC Input Data	44kW, 3x63A, 400V±10%, 45-65Hz
AC plug type	CEE 63, CEE 32, CEE 16, 3P+N+PE
DC output data	42kW, 120A, 250-1000V
DC plug type	CCS Typ 2, CCS Typ 1, CHAdeMO*, GB/T*
Efficiency	>96% from 15% Load
Power Factor	>0.99 from 25% Load
Conformity, security	CE, 2014/35/EG, IEC 61851, IEC61000-6-2,-3
Charging standard	DIN70121, ISO15118, CHAdeMO-Ver.12 /2.0*, GB/T-27930-2015*
Operation	4.3" touchscreen, 2 buttons
Housing	Out- and Indoor, IP54
Impact protection	IK8
Cooling system	infinitely variable, temperature dependent
Operating volume	< 70db(A) @ 1m
Operating temperature	-25°C to +45°C
Relative humidity	5% to 95%, not condensating
Storage temperature	-25°C to +70°C

\* Available from Q1 2021

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CHARGING TIME FOR	BATTERY CAPACITY	STANDARD	MDC44-920
Porsche Taycan	90kWh	7h 15min @11kW	1h 50min
Futuricum Collect 26E M	217kWh	8h 40min @22kW	4h 20min
Futuricum Semi 40E L	289kWh	11h 30min @22kW	5h 45min
Futuricum Logistic 26E XXL	578kWh	23h 5min @22kW	11h 35min
EvoBus E-Citaro	243kWh	none	4h 50min
MAN eTruck	212kWh	none	4h 15min
Mercedes-Benz eActros	240kWh	9h 40min @22kW	4h 50min

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