

40 kW Mobile Charger (DC)

The compact solution for reliable EV charging anywhere

VDO's 40 kW Mobile Charger is a compact, portable solution designed for full Mode 4 charging for electric and plug-in hybrid fleets.

KEY FEATURES INCLUDE

- ✓ High-power DC fast charging for commercial and bus depot environments
- ✓ Single CCS
- ✓ Standard LAN connection, 4G optional
- ✓ AC output (16A/32A) to power additional appliances



TECHNICAL SPECIFICATIONS

AC input

Input voltage:	3 Phase 400 VAC (+/- 5%)
Input frequency:	50 Hz – 60 Hz
Power factor:	≥0.99 (load 100 %); ≥0.98 (load 50 %~100 %)
Input current max:	40 kW = 3 x 67 A

DC output

Protocol:	Mode 4
Output power:	40 kW
Output voltage range:	150 – 1000 V DC
Output current range:	0 – 100 A/0 – 125 A
Voltage stabilized accuracy:	≤±0.5%

AC output

Output power:	22 kW (400 V 32 A)
Output voltage range:	230 – 400 V DC
Output current range:	0 – 16 A/0 – 32 A

Operating environment

Efficiency:	>96%
Operating/ambient temperature:	-25 °C to 55 °C
Storage temperature :	-40 °C to 75 °C
Pressure/altitude:	79 kPa~106 kPa/2000 m
Cooling:	Air cooling fans
Dimensions (HxWxD):	1150 x 550 x 500 mm
Weight:	approx. 92 kg
According to European Standards:	EN 61851-1 2011, EN 6185123-2014, CE
Treatment:	Stainless steel + Anticorrosion and powder coating
Number of charging points:	1x CCS
CCS cable length:	3 m
DC power plug:	Mode 4 (IEC-61851-23/24) Combo-2 (DIN 10121)
Back office protocol:	OCPP 1.6/2.01 optional 4G
Start-Stop:	RFID-card
IP grade:	54 IEC 60529



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about the
VDO charging
solutions