

480 kW Standalone Power Charger for Trucks

A self-contained charging solution engineered for high-performance EV charging specifically for truck fleets.



VDO's 480 kW Standalone Power Charger provides the perfect mix of high quality, efficiency, reliability and cost-effectiveness in EV charging for heavier commercial vehicles.

KEY FEATURES INCLUDE

- ✓ Dynamic load balancing (Matrix)
- ✓ 2 x CCS charging points
- ✓ Connectivity LAN (standard) or 4G (optional)
- ✓ 10" LED screen

TECHNICAL SPECIFICATIONS:

AC input

Input voltage:	3 Phase 400 VAC
Input frequency:	50 Hz
Power factor:	≥0.99 (load 100 %); ≥0.98 (load 50 %~100 %)
Input current max:	800 A

DC-Ausgang

Protocol:	Mode 4
Output power:	480 kW
Output voltage range:	150 – 1000 V DC (nominal – 750 V)
Output current range:	500 A continuous per outlet (600 A boost)
Voltage stabilized accuracy:	±0.5%

Operating environment

Efficiency:	96,6 %
Operating/ambient temperature:	-25 °C to 60 °C, derating from 45 °C
Storage temperature::	-40 °C to 85 °C
Pressure/altitude:	79 kPa~106 kPa/2000 m
Cooling:	Liquid cooling
Dimensions (HxWxD):	2250 x 800 x 1200 mm
Weight:	1000 kg
According to European Standards:	EN 61439-1, CE in compliance with (2014/30/EU, 2014/35/EU, 2014/53/EU)
Treatment:	Stainless steel + powder coating
Number of charging points:	2 x CCS + 4 outputs for dispensers
CCS cable length	2 x 5 m
DC power plug	Mode 4 (IEC-61851-23/24)
Back office protocol:	OCPP 1.6J/2.01
Start-stop:	RFID card
IP grade:	54 IEC 60529



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VDO charging
solutions