

# All-in-one Charging Stations (DC)

The self-contained charging solution engineered for high-performance EV charging

VDO's All-in-one Charging Stations, available with 120, 180 or 240 kW output power, provide the perfect mix of high quality, efficiency, reliability and cost-effectiveness in EV charging.

## KEY FEATURES INCLUDE

- ✓ Dynamic load balancing for optimized charging speed
- ✓ 2 x CCS charging points
- ✓ Connectivity LAN (standard) or 4G (optional)
- ✓ 21" LED touch 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:	120 kW: 3 x 200 A 180 kW: 3 x 300 A 240 kW: 3 x 400 A

### DC output

Protocol:	Mode 4
Output power:	120 kW (2 x 60 kW) 180 kW (2 x 90 kW) 240 kW (2 x 120 kW)
Output voltage range:	200 – 1000 V DC
Output current range:	2 x 0 – 200 A/0 – 400 A
Voltage stabilized accuracy:	±0.5%

### Operating environment

Efficiency:	>96%
Operating/ambient temperature:	-25 °C to 60 °C, derating from 55 °C
Storage temperature :	-40 °C to 85 °C
Pressure/altitude:	79 kPa~106 kPa/2000 m
Cooling:	Air cooling fans
Dimensions (HxWxD):	1700 x 720 x 815 mm
Weight:	120 kW: 340 kg 180 kW: 390 kg 240 kW: 400 kg
According to European Standards:	EN 61851-1 2011, EN 61851-23-2014, CE
Treatment:	Stainless steel + powder coating
Number of charging points:	2 x CCS
CCS cable length:	2 x 3 m
DC power plug:	Mode 4 (IEC-61851-23/24) Combo-2 (DIN 10121)
Back office protocol:	OCPP 1.6J/2.01
Start-Stop:	RFID card, touch screen
IP grade:	54 IEC 60529



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VDO charging  
solutions