

voltra [⊕] charging

TECHNOLOGIE DIE JE VERDER BRENGT



Technical data sheet 400 - 800kW All in one lader

Technical Data Sheet

UP TO 96.2%

Efficiency @half load rate

MAX. 500A OUTPUT

350A boost to 500A
Continuous charging at 500A

400-800KW OUTPUT

Expand where your demand
grows

FLEXIBLE CONFIGURATION

Optional extendable to 4
outputs with adding dual
connector dispenser to the all
in one charger



voltra ⊕



**400-800kW All in one
charger**

- 1 Cable management system
- 2 Stainless steel frame
- 3 15" HD screen
- 4 CCS2 connectors
- 5 5m charging cable
- 6 Payment terminal (optional)
- 7 Emergency button

ALL IN ONE
CHARGER
(400/800)

Item	Parameter
Input characteristic	
Input Voltage	400 VAC (±10%)
Input frequency	50 / 60 Hz
Input type	3P + PE / 3P + N + PE
Max input current	1160 A
Max input power	685kVA
Power factor	0.99
THDi	<5%
Grounding type	TN-S, TT
Output characteristic	
Connector options	CCS2 – optional extendable to 4 CCS2 outputs
Output voltage	CCS2: 200-1000Vdc
Maximum output current	CCS2: 350A (Air cooled) - 500A (Liquid cooled)
Output power	400 - 800kW
Peak efficiency	96,2%
Environment	
Operational altitude	< 2000 m
Operating temperature	-30 °C to +65 °C (Derating operation over 50°C)
Humidity	5%-95% Rh non-condensing
Mechanical specification	
IP/IK degree	IP55 / IK10
Dimension	W990 × D990 × H2000 mm
Weight	< 850 kg
Material	Stainless steel
Components	
Cable length	5m (7m / 10m - optional)
Screen	15" HD touchscreen
RFID Reader	ISO 14443 A + B to part 4 and ISO/IEC 15693, Mifare1, NFC
Emergency button	Yes
MID-meters	Yes
Others	
Communication interface	4G / LAN Port
Language	English / Dutch (Support customizing other languages)
Communication protocol	OCPP1.6J / OCPP2.01
Cooling method	Air cooled
Payment method	RFID / APP (Visa / Mastercard optional)
EMC	Class A
Protection	Over / Under voltage DC overcurrent Over-temperature Surge protection device Emergency stop Flood detection Smoke detection Tilt detection
Barrier free design	Yes
Optional functions	Payter terminal, Cable lengths (7m, 10m)
Standard and Certifications	
Certifications	CE, RED, MID compliant,
Standards	IEC 61851, IEC 62196, DIN 70121, ISO 15118, EN18031

DUAL
CONNECTOR
DISPENSER

Electric specification	
Output voltage	200–1000 V
Rated output power	Up to 480 kW
Maximum current per connector	CCS2 (Conventional cooling): 350 A (boost to 500 A)
Connector combination	CCS2 (Liquid cooling): 500 A 350 A + 350 A; 500 A + 500 A; 500 A + 350 A
User interface	
Cable length	5 m
Screen	15" HD touchscreen
User Authentication	Credit Card, QR Code, RFID, Card, Autocharge
Connectivity	Ethernet / GSM, 4G
Language	English (Support customizing other languages)
Barrier free design	Yes
Mechanical Specification	
Size	W800 × D450 × H2100 mm
Protection Level	IP55 / IK10
Weight	≤ 270 kg
Protocol and standards	
Backend communication	OCPP1.6, OCPP2.0.1
EV communication	DIN70121, ISO 15118
Standards	IEC 61851-1, IEC 61851-23, IEC 61851-21-2
Certificate	
Certificate	CE, RCM, Eichrecht, MID compliant, OCA1.6J