

AIR-COOLED ALL-IN-ONE DC CHARGER

EFFICIENCY AND APPLICABILITY

- Maximum output of 320kW with 150V-1000V voltage range, suitable for high power CPOs, fleet operators, truck charging and logistic centers
- Modular design supports future expansion, suitable for various charging scenario applications

CUSTOMISATION

- Options for customised colors and branding

SUPERIOR CUSTOMER EXPERIENCE

- Intuitive user interface with 15.6" display screen
- Multi-language operation system
- Multiple payment options: POS, RFID, NFC, APP, QR Code, AutoCharge, ready for Plug & Charge
- Cable management system

INTELLIGENT MANAGEMENT

- Remote monitoring and maintenance
- Featuring load balance and dynamic load management to optimize grid utilization

RELIABILITY & SAFETY

- Comprehensive protections to ensure charging safety
- Compliant with CE, CB, RoHs



ELECTRICAL PARAMETERS

Output Power	160KW / 240KW / 320KW
Maximum Current (CCS Cables)	500A MAX 600A DC (Liquid cooled) 400A MAX 500A DC 250A MAX 400A DC
Cable Length	3.5 m, Optional: 5.0 m / 7.0 m
Distribution Systems	TN-S, TN-C (UK), TN-CS
Protection	Overcurrent, Overvoltage, Undervoltage, Grounding protection, Polarity reverse protection, Scram protection, Grounding protection, Leakage protection, Door opening protection, Impact protection, Smoke sensing protection, Water immersion protection, Tip-over protection, etc.
Power Factor (Half load and above)	≥ 0.99
THDi	≤ 5%
Efficiency	96% (Peak)
Standby Power	≤ 40W
Energy Metering	Standard: Meter for DC outlet (MID / LNE, PTB available in 2025 Q4)
Connectivity	Internet access via 3G/4G, Ethernet

USER INTERFACE

User Authentication	POS, RFID, NFC, APP, QR Code, AutoCharge, ready for Plug & Charge
User Interface	15.6" LCD high-contrast display screen+4 buttons
Communiation Protocols	OCPP1.6J (ready for 2.0.1 or 2.1)
RFID Reader	ISO/IEC 14443A+B, ISO/IEC 18092, ISO/IEC 15693 Support
Emergency Button	YES
Language System	English, French, German, Spanish, Portuguese, Italian, Arabic

GENERAL CHARACTERISTIC

Protection Rating	IP54 and IK10 (cabinet) / IK08 (screen)
Operating Altitude	H≤2000m
Operating Temperature	-30°C to 55°C, Up to 55°C to 70°C derated operation
Storage Temperature	-40 °C to 80 °C
Humidity	5%RH-95%RH, non-condensing
Dimensions (D x W x H)	1120*550*2000mm(without CMS)

COMPLIANCE STANDARDS

EU directive	2014/32/EU (MID), 2014/35/EU (LVD), 2014/30/EU (EMC), 2014/53/EU (RED), 2015/863/EU (ROHS)
Communication to the EV	DIN 70121, ISO 15118-2, Autocharge, Plug and Charge
Electrical safety	IEC 61851-1, IEC 61851-23, IEC 61851-24
RED	ETSI EN 301 908-13 V13.2.1: 2022 EN 300 330 V2.1.1: 2017, ETSI EN 301 489-3 V2.1.2: 2021, EN 301 489-52 V1.1.2: 2022, EN 50364:2018, EN IEC 62311:2020
EMC	IEC 61851-21-2 (INDUSTRIAL -ENVIRONMENTS), ETSI EN 301 489-1

