

All-in-one Charging Unit



DH480	
DC Output	
Output Power	120kW - 480kW
Minimum Adjustable Power	40kW granularity
Output Voltage	150 - 1000V
Output Current	Uncooled Cable: CCS1: 400A (Max. 500A); J3400/NACS: 380A (Max. 500A)
Peak Efficiency	96%
Number of Outputs	2
Charging Mode	2*CCS1; 2*J3400/NACS; 1*J3400/NACS+1*CCS1
AC Input	
Input Voltage	3-phase 480V AC +10%/-15% (2 Routes)
Input Frequency	60Hz
Earthing System	TN-S, TN-C, TN-C-S, TT, IT
Input Connection	3 Phases+PE
Power Factor	≥0.99
Harmonic Distortion (THDi)	≤3% (Full Load)
Overvoltage Category	AC side (Input) OVC: III
General Specifications	
Dimensions (W×D×H)	30.79 inch × 30.79 inch × 90.04 inch (782mm x 782mm x 2287mm)
Weight	1675.51 lbs with 16.40ft cable (760kg with 5m cable)
Connectivity	Double SIM 4G, 5G, Wi-Fi, Ethernet
Screen Type	15.6 inch LCD Touch Screen; 27 inch (Optional)
Short Circuit Current	65kA
Cable Length	Standard: 16.40ft (5m); Optional: 23.62ft (7.2m)
Standby Power	<85W (Depending on configuration)
Enclosure Rating	NEMA 3R
Communication to the EV	ISO/IEC 15118 with PnC, DIN 70121
Software Update	OTA updates via web portal, FTP, FTPS, HTTPS
Accessibility	Meets ADA requirements for height, reach, and user interface
Emergency Button	Yes
Warranty	24 months, warranty extension possible
User Interface	
Status Indication	Yes
Languages	English, French (others available via software upgrade)
Credit Card Readers	Nayax VPOS; Payter Apollo Polar; PAX IM30; Castles S1U2
RFID Protocols	ISO 14443 A/B, ISO/IEC 15693, MIFARE
Payment Terminal	AutoCharge, Plug & Charge, APP, RFID card, QR code, Credit Card (Optional)
Communication Protocols	OCPP 1.6J (OCPP 2.0.1 Optional)
Cable management System	Yes
Environmental Specifications	
Humidity	<95 % RH, non-condensing
Operating Altitude	2000m
Operating Temperature Range	-35°C to 55°C / -31°F to 131°F
Storage Temperature Range	-40°C to 70°C / -40°F to 158°F
Noise	≤55dBA* (Silent Mode)
EMC Compliance	EMC Class A
Compliance and Safety	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 1071-16
Certification	UL/cUL, FCC

(1) Standard environmental conditions 77°F [25°C], 3.5 ft [1 m] distance



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