POWER TECHNOLOGY
THE EV CHARGING COMPANY

POWER TECHNOLOGY SOLUTIONS / PRODUCT SPECIFICATIONS

DC Platinum All-in-One 480 kW

An all-in-one dual-port DC platform for highway, fleet and public charging sites that need up to 480 kW of cabinet capacity.

Cabinet output	120–480 kW, depending on configuration
Power increments	40 kW
Output voltage	150–1,000 V DC
Ports	Two
Vehicle connectors	Dual CCS1, dual SAE J3400 (NACS), or mixed, by SKU
Input	480 V AC, three-phase, 60 Hz
Enclosure	NEMA 3R
Display	15.6-inch touchscreen, with 27-inch option in the OEM spec

Confirm specifications, connectors and options for your selected configuration with Power Technology Solutions.

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DC Platinum All-in-One 480 kW

Electrical, mechanical and environmental specifications

	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[1] (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. 107.1-16
Certification	UL/cUL, FCC

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

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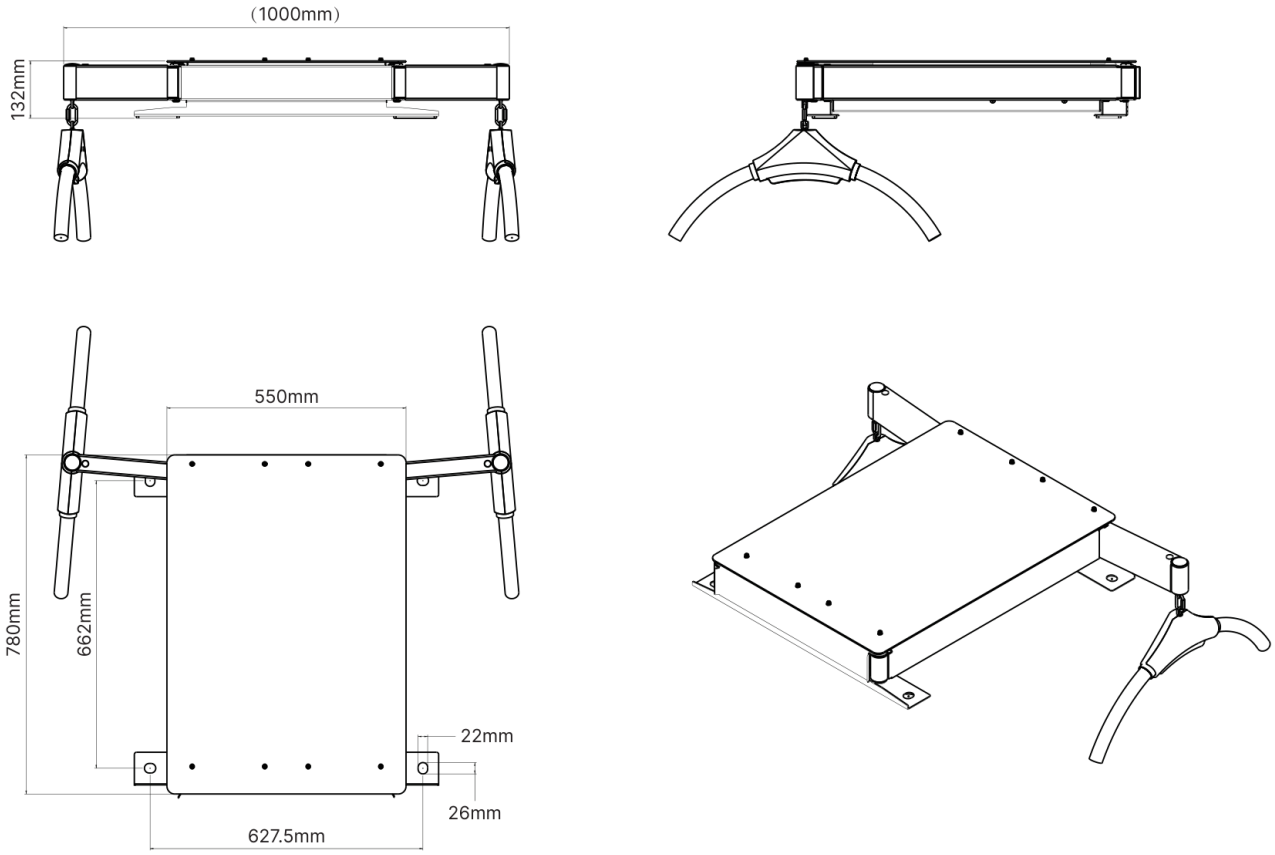
360 kW, 400 kW and 480 kW alternate configuration

	DH480
DC Output	
Output Power	120kW - 480kW (360kW 400kW 480kW)
Minimum Adjustable Power	40kW granularity
Output Voltage	150 - 1000V
Output Current	Liquid-cooled Cable: CCS1/NACS: 500A (Max. 650A) Uncooled Cable: CCS1: 400A (Max. 500A); NACS: 380A (Max. 500A)
Peak Efficiency	96%
Number of Outputs	2
Charging Mode	2*CCS1; 2*NACS; 1*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
Input Connection	3 Phases+PE
Power Factor	≥0.99
Harmonic Distortion (THDi)	<5%
Overvoltage Category	AC side (Input) OVC: III
General Specifications	
Dimensions (W×D×H)	782mm x 782mm x 2287mm
Weight	760kg (5m Cable Length)
Connectivity	Double SIM 4G, 5G, Wi-Fi, Ethernet
Screen Type	15.6 inch LCD Touch Screen; 27 inch(Optional)
Cable Length	5m; 7.2m(Optional)
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 P68/Apollo; 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[1] (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. 107.1-16
Certification	UL/cUL, FCC

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

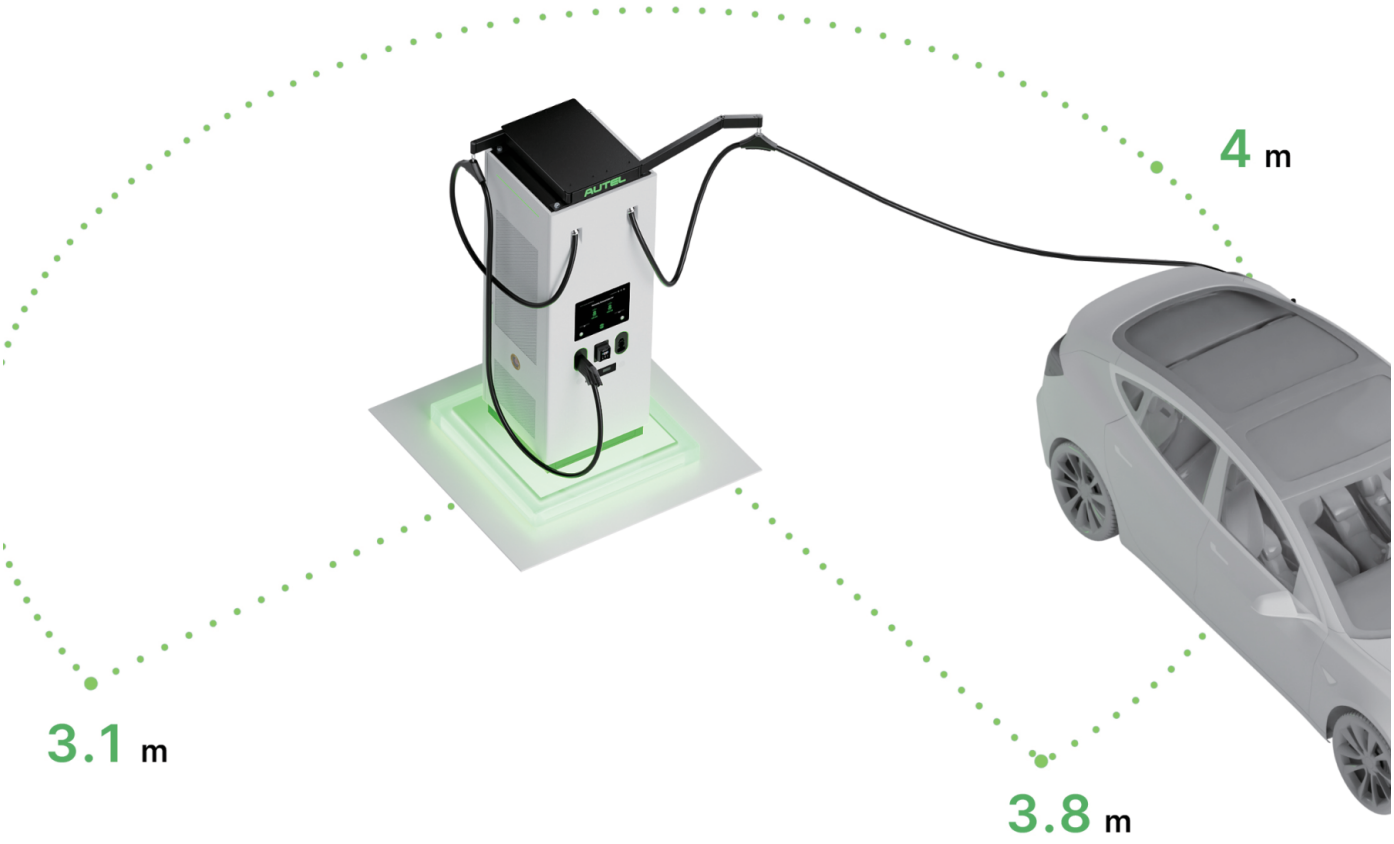
Cable management system dimensions

Dimensions



DC Platinum All-in-One 480 kW

Cable management system reach



Configuration and application notes

Cooling and reach

Rated and peak output current depend on the connector and cable cooling option. The optional cable management support keeps cables off the ground. The source drawing shows a maximum reach of 4 m, with 3.1 m and 3.8 m positions.

Specifications and hardware warranty terms vary by configuration. Confirm the selected equipment and coverage with Power Technology Solutions.