

Satellite DC Charger



Flexibility Output Power: Easily scale to 960 kW with 2 480 kW cabinets in series

- 6-12 pcs 40kW power modules per Power Unit cabinet
- One Power Unit can support up to 6 single air-cooling dispensers simultaneously
- Two single dispensers can be combined into a dual dispenser
- Any two or three single air-cooling dispensers can be combined into one liquid-cooling dispenser for enhanced performance

Flexible expansion with additional power modules for installment investment

- Start with a minimum power unit and gradually expand by adding modules before increasing the number of units
- Each power unit can have a variable number of power modules and dispensers
- Reserve space and wiring during installation to facilitate future power unit and dispenser expansion with minimal effort

Eco-friendly with Solar & Battery systems

- Dynamic pricing strategy support
- Storing energy for use and keep devices running without interruption
- Flexible power expansion with ESS and Solar
- Intelligent energy management system

Secure Encrypted Communication (TLS Mutual Authentication)

- The system implements fully encrypted communication based on TLS (Transport Layer Security), ensuring all transmitted data is protected against leakage and tampering. It supports 'mutual authentication', verifying both communication parties to guarantee a trusted, end-to-end secure connection.

Smart Priority Charging

Level 1, Temporary Control Mode

Applied during special operational needs such as demand response events, peak-time load management, or grid emergencies, where charging power may be reduced or redistributed.

Level 2, Guest / Unregistered Users

Non-registered users have the lowest regular priority, but are guaranteed a minimum charging power to complete their charging needs.

Level 3, Registered Standard Users

Regular registered users have higher priority than unregistered users, ensuring better charging performance in most cases.

Level 4, VIP Members (High Priority without Boost)

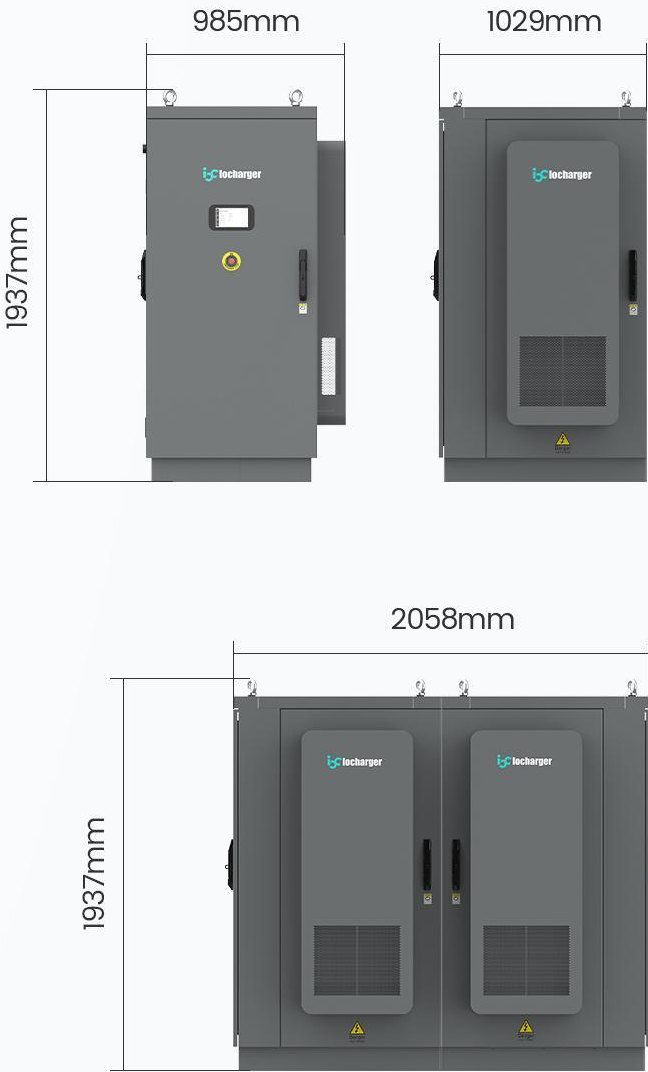
VIP users receive high charging priority even without a boost purchase, typically ahead of standard registered users.

Level 5, Boost Access (Temporary Paid Priority)

Users who temporarily pay for a boost get the highest charging priority, ensuring maximum available power allocation during their session.

Scenario 1	800/960kW 			400kW  Registered	400kW  Guest
Scenario 2	960/960kW 		400kW  VIP	360kW  Registered	200kW  Guest
Scenario 3	960/960kW 	400kW  Boost	280kW  VIP	200kW  Registered	80kW  Guest
Scenario 4	960/960kW 	400kW  Boost	320kW  VIP	240kW  Registered	 Leaving...

Power Cabinet

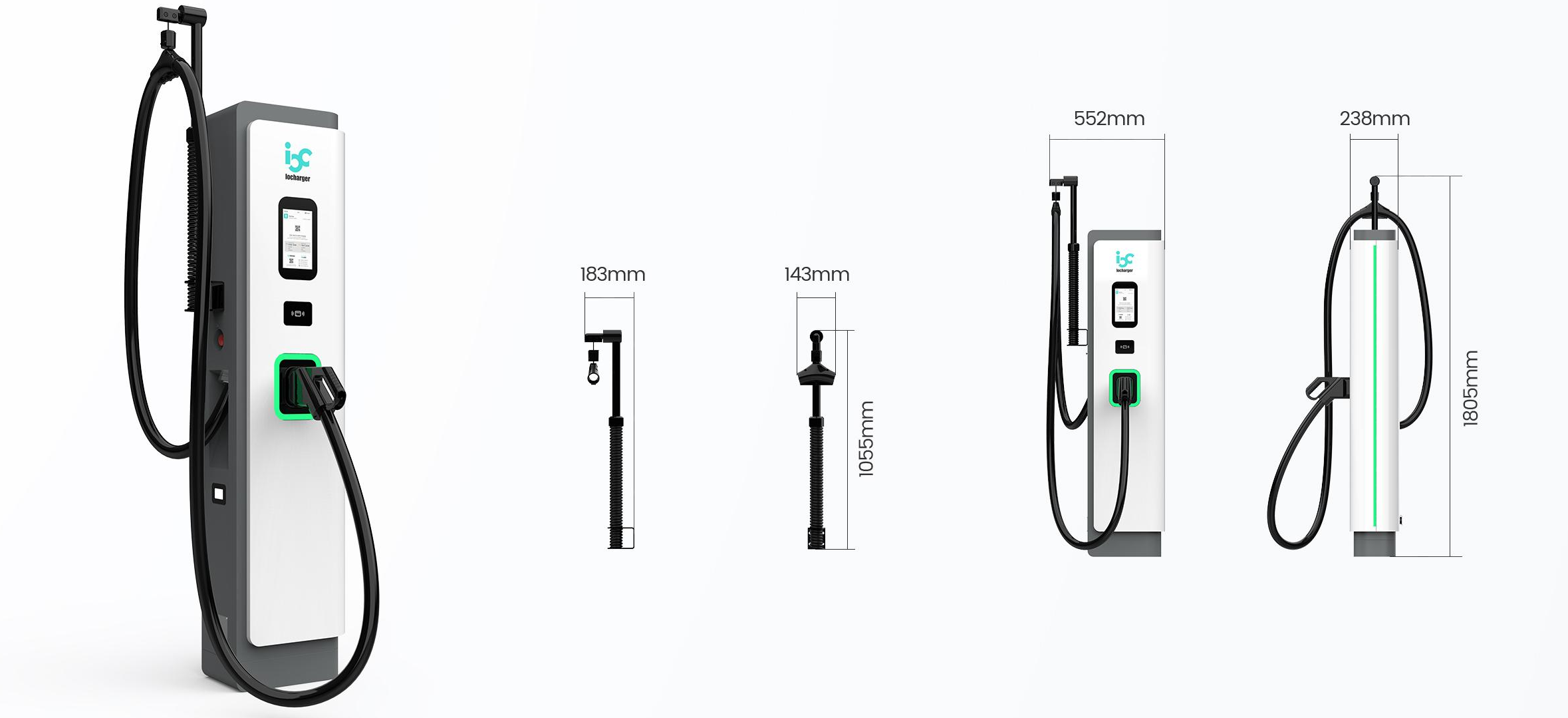


Specification

Specifications are subject to change without notice.

AC Input	480kW (Air Cooling)	960kW (Air Cooling)
Earthing system	3P, PE, N	3P, PE, N
Input voltage	3-phase 400VAC ±15% (2 Routes)	3-phase 400VAC ±15% (4 Routes)
Input frequency	50/60Hz	50/60Hz
Power factor	≥0.98	≥0.98
Harmonic distortion (THDi)	<5%	<5%
General Characteristics	480kW (Air cooling)	960kW (Air cooling)
Number of outputs (Max.)	6	12
Minimum adjustable power	40kW	40kW
Connectivity	4G, Ethernet	4G, Ethernet
Peak efficiency	≥95%	≥95%
Enclosure rating	IP55	IP55
Operating altitude	≤2000m	≤2000m
Operating temperature range	-30℃ ~ +55℃	-30℃ ~ +55℃
Storage temperature range	-30℃ ~ +80℃	-30℃ ~ +80℃
Mounting	Floor Standing	Floor Standing
Dimensions (H×W×D)mm	1937 x 1029 x 985	1937 x 2058 x 985
Certification and Standards	480kW (Air cooling)	960kW (Air cooling)
Safety standards	EN IEC 61851-1 EN IEC 61851-23	EN IEC 61851-1 EN IEC 61851-23
Certification	EN 61000-6 Series EN IEC 61851-21-2 EN 301 489-1/-52 EN 301908-1/-13 EN 62311 LTE 8 Band	EN 61000-6 Series EN IEC 61851-21-2 EN 301 489-1/-52 EN 301908-1/-13 EN 62311 LTE 8 Band

Air Cooling Dispenser

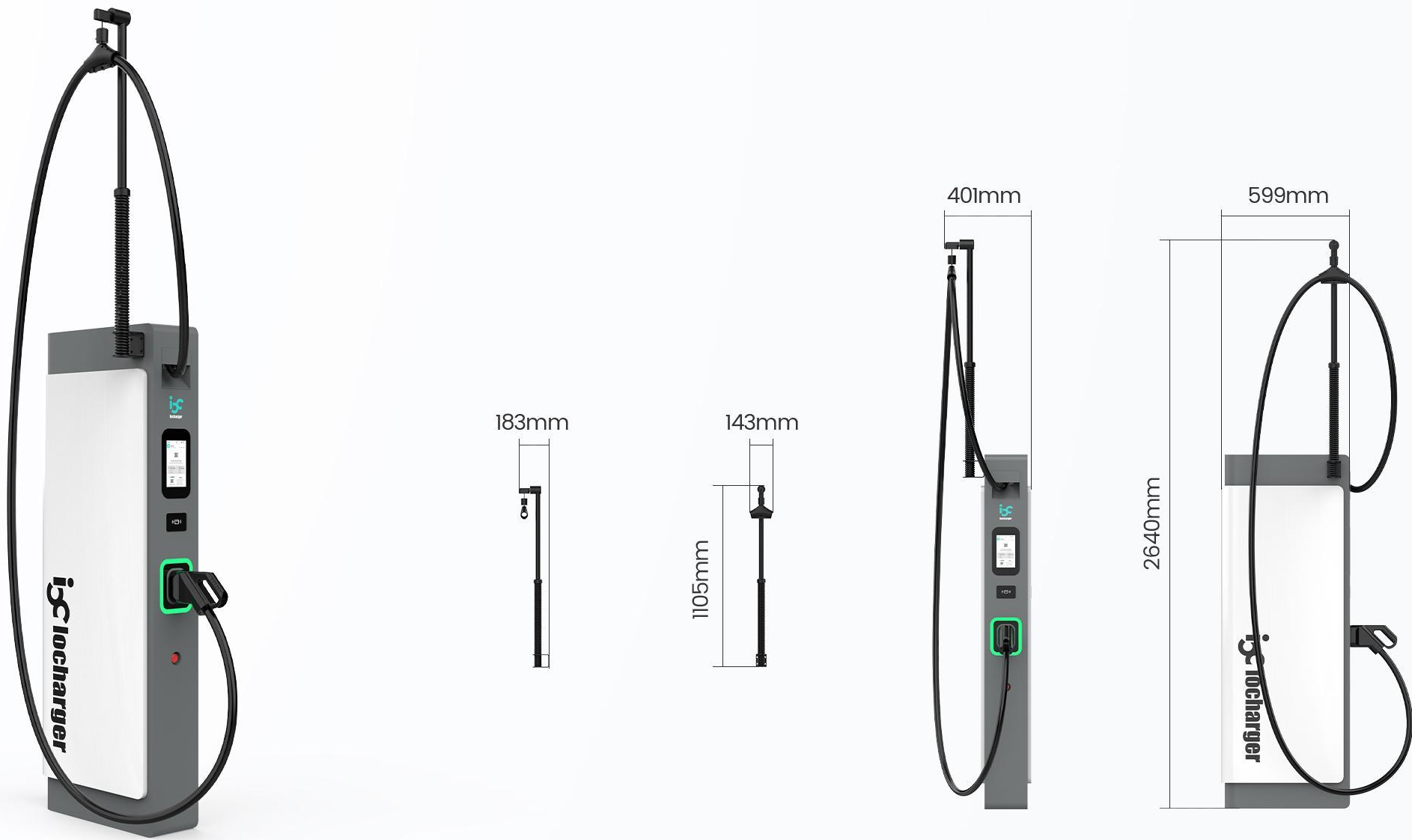


Specification

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DC Output Connection	Air Cooling Dispenser
Charging mode	Mode 4: CCS2
Output power	400kW, 375kW, 250kW (Optional)
Output voltage	150-1000V
Output current	CCS2 250A/ 375A/ 400A, CCS1 200A/ 300A
Charging interface	CCS2, or CCS1, or GB/T, or CHAdeMO
General Characteristics	400kW, 375kW, 250kW (Air cooling) (Optional)
Enclosure rating	IP55
Operating altitude	≤2000m
Operating temperature range	-30℃ ~ +55℃
Storage temperature range	-30℃ ~ +80℃
Mounting	Floor Standing
Dimensions (H×W×D)mm	1805 x 552 x 238 (With CMS)
Screen type	7 inch LCD Touch Screen
Cable length	5m
Status indication	LED/LCD/APP
User interface	iocharger APP
Connectivity	Ethernet
Protocols	OCPP 1.6J & OCPP 2.0.1 Full support, GB/T 27930, CHAdeMO 2.0, ISO15118 (PnC & EIM), DIN70121
User authentication	APP, RFID card, QR code, Credit Card (Optional)
Software Update	OTA updates via web portal
Safety standards	EN IEC 61851-1, EN IEC 61851-23
Certifications	EN 61000-6 Series, EN IEC 61851-21-2, EN 301 489-1/-3, EN 300 330, EN 62479 RFID

Liquid Cooling Dispenser

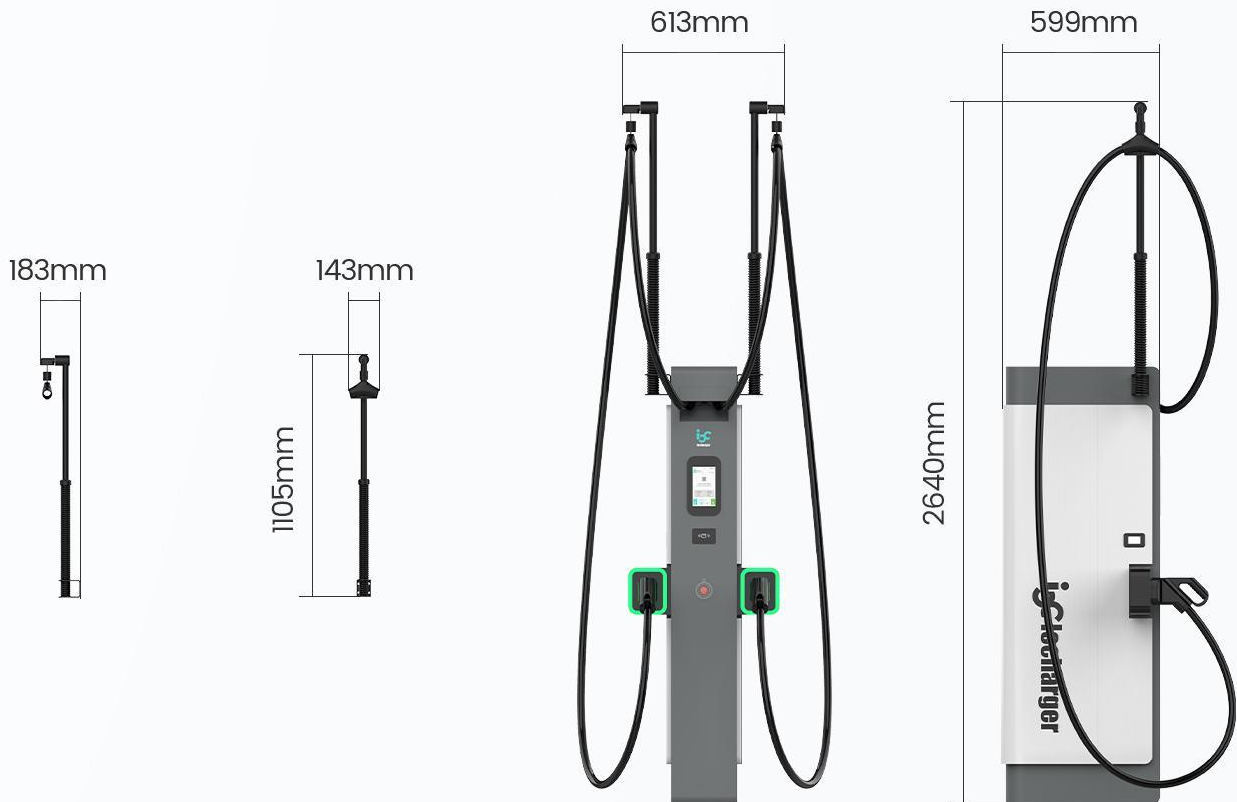


Specification

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DC Output Connection	Liquid Cooling Dispenser
Charging mode	Mode 4: CCS2
Output power	500kW (Max 600kW)
Output voltage	150-1000V
Output current	CCS2 500A (Max. 600A)
Charging interface	CCS2
General Characteristics	500kW (Liquid cooling)
Enclosure rating	IP55
Operating altitude	≤2000m
Operating temperature range	-30℃ ~ +55℃
Storage temperature range	-30℃ ~ +80℃
Mounting	Floor Standing
Dimensions (H×W×D)mm	2640 x 401 x 599
Screen type	7 inch LCD Touch Screen
Cable length	5m
Status indication	LED/LCD/APP
User interface	iocharger APP
Connectivity	Ethernet
Protocols	OCPP 1.6J & OCPP 2.0.1 Full support, GB/T 27930, CHAdemo 2.0, ISO15118 (PnC & EIM), DIN70121
User authentication	APP, RFID card, QR code, Credit Card (Optional)
Software Update	OTA updates via web portal
Safety standards	EN IEC 61851-1, EN IEC 61851-23
Certifications	EN 61000-6 Series, EN IEC 61851-21-2, EN 301 489-1/-3, EN 300 330, EN 62479 RFID

Air Cooling Dual Dispenser



Specification

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DC Output Connection	Air Cooling Dual Dispenser
Charging mode	Mode 4: CCS2
Output1 power	400kW, 375kW, 250kW (Optional) +400kW, 375kW, 250kW (Optional)
Output1 voltage	150-1000V
Output1 current	CCS2 250A/ 375A/ 400A, CCS1 200A/ 300A
Output2 power	400kW, 375kW, 250kW (Optional)
Output2 voltage	150-1000V
Output2 current	CCS2 400A , 375A, 250A (Optional)
Charging interface	2*CCS2, 1*CCS2+1*GB/T, or 1*CCS2+1*CHAdemo
General Characteristics	400kW+400kW (Air cooling) (Optional)
Enclosure rating	IP55
Operating altitude	≤2000m
Operating temperature range	-30℃ ~ +55℃
Storage temperature range	-30℃ ~ +80℃
Mounting	Floor Standing
Dimensions (H×W×D)mm	2640 x 613 x 599
Screen type	7 inch LCD Touch Screen
Cable length	5m
Status indication	LED/LCD/APP
User interface	iocharger APP
Connectivity	Ethernet
Protocols	OCPP 1.6J & OCPP 2.0.1 Full support, GB/T 27930, CHAdemo 2.0, ISO15118 (PnC & EIM), DIN70121
User authentication	APP, RFID card, QR code, Credit Card (Optional)
Software Update	OTA updates via web portal
Safety standards	EN IEC 61851-1, EN IEC 61851-23
Certifications	EN 61000-6 Series, EN IEC 61851-21-2, EN 301 489-1/-3, EN 300 330, EN 62479 RFID