



Product Specifications

TRI-FLEX



DISPENSER

Product Specifications

Range of dispenser power levels 100 kW, 400 kW and 640kW

Dynamic load management with 25 kW power sharing resolution

360-degree status lighting

CCS and NACS connectors

Liquid cooled & dry charging cables supported

MID, Eichrecht, NTEP/CTEP DC metering

Various integrated payment terminal options

Large branding surfaces

IP65 sealed enclosure for harsh environments



DC
ARCHITECTURE

NEXT GENERATION
FAST-CHARGING

RATIO: 15:1.928838382
STAGE 1 / 32
PROGRESS
A8283"
LABEL

"IN PROGRESS /
"BRAND NEW"

System Characteristics

Output Voltage: 150-1000V DC
Supported Connectors: CCS1 CCS2 NACS
Accessibility: Meets Americans with Disabilities Act (ADA) and EN 301 549 Accessibility Height Requirements
Display and User Interface: 10" LCD screen with physical buttons
Authentication Support: RFID: MI-FARE ISO/IEC 14443A/B ISO/IEC 15693 ISO/IEC 18000-3 FeliCa NFC Credit Card: Credit card terminals – various models Vehicle: ISO15118 Plug and Charge Autocharge
Safety Sensors: Tilt and door ingress
Remote Management: Remote access, configuration, diagnostics, software update
Communication Protocols: EVSE to EV: ISO 15118-2, DIN 70121 ISO 15118-20 ready EVSE to CSMS: OCPP 1.6J 2.0.1 ready
Electrical Protections: Over current, over voltage, under voltage, short circuit, insulation monitoring, over temperature
Product Warranty: 3 years warranty included +1 year +2 year extensions available

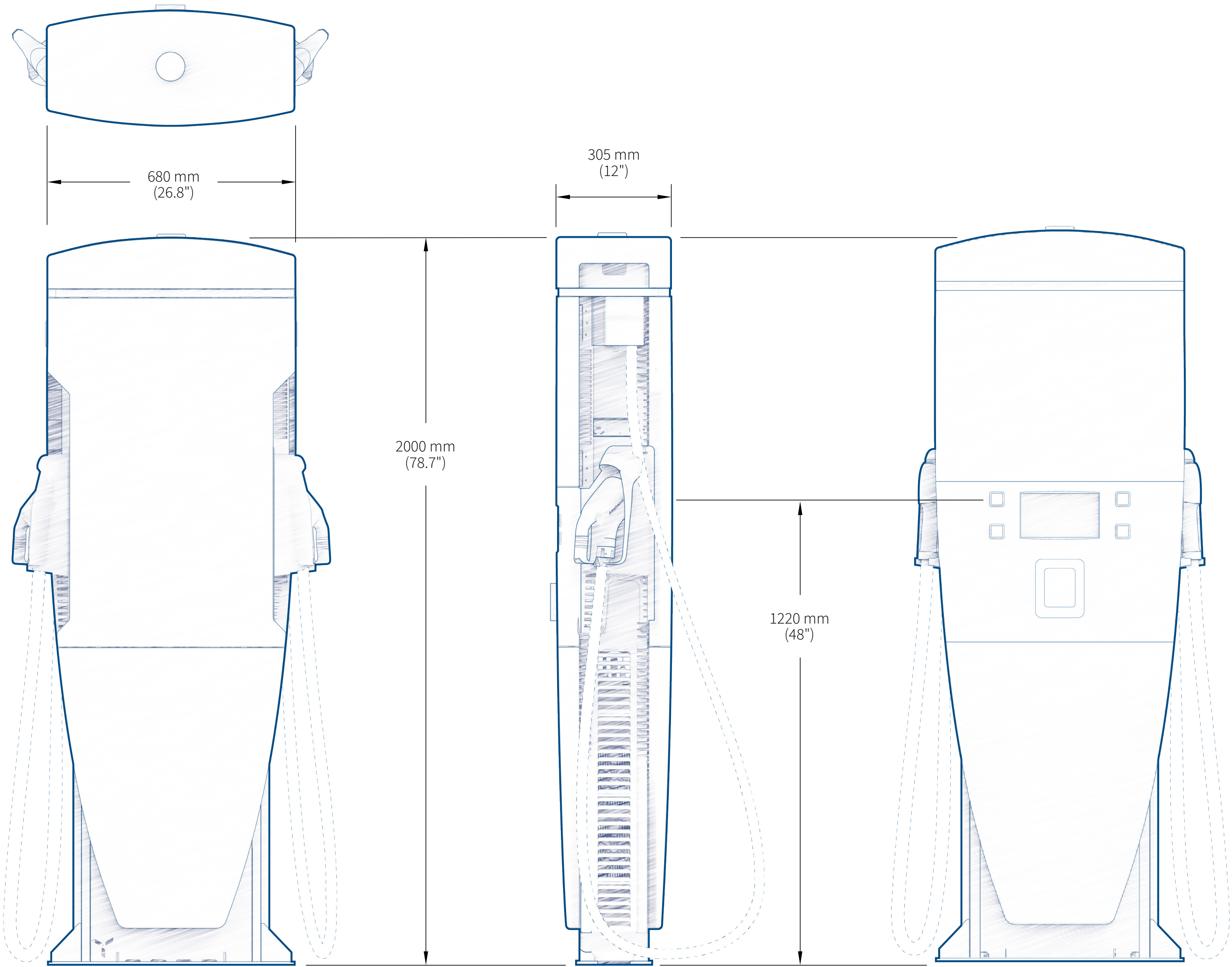
Environmental

Maximum Operating Altitude : 3000m (9840ft)
Operating Temperature: –35°C to +55°C (–31°F to +131°F)
Storage Temperature: –40°C to +60°C (–40°F to +140°F)
Impact Protection Rating: IK10
Ingress Protection Rating: IP65, NEMA Type 3R
Noise Emission: ≤65 dB(A) @ 1 m, full power 25°C (77°F)
Quiet Mode: ≤ 55 dB(A)



Physical

Height	2000 mm (78.7")
Width	680 mm (26.8")
Depth	305 mm (12")
Weight	150 kg (330 lbs)
Shipping Weight	240 kg (530 lbs)





	DUAL CABLE		SINGLE CABLE
DISPENSER POWER	100 kW	400 kW	640 kW *
SUPPORTED CABLES	CCS NACS		
CABLE COOLING METHOD	Dry	Dry & Liquid	Liquid
SUPPORTED CABLES LENGTHS	3.5m (11ft 5in) 10m (32ft 9in)*	3.5m (11ft 5in)	3.5m (11ft 5in)
	6m (19ft 8in) with cable management	6m (19ft 8in) with cable management	
METERING	MID Eichrecht NTEP CTEP		
NO. OF OUTPUTS	Dual Cable		Single Cable
PAYMENT TERMINALS	Payter Apollo Ingenico Self 2000 Nayax VPOS		
CABLE RATING OPTIONS	250A Dry	400A Dry (Boost to 500A) 500A Liquid Cooled (Boost to 600A)	800A Liquid Cooled
BRANDING	Custom Vinyls Powder Coating †		

* 640kW dispensers available soon
** 10m dry cable options available soon
† Powder coating subject to MOQ

POWER CABINET FLEX HUB

Product Specifications

Supports full range of TRI-FLEX dispenser options

400kW to 1.6MW of power

Connect up to 32 dual cable dispensers

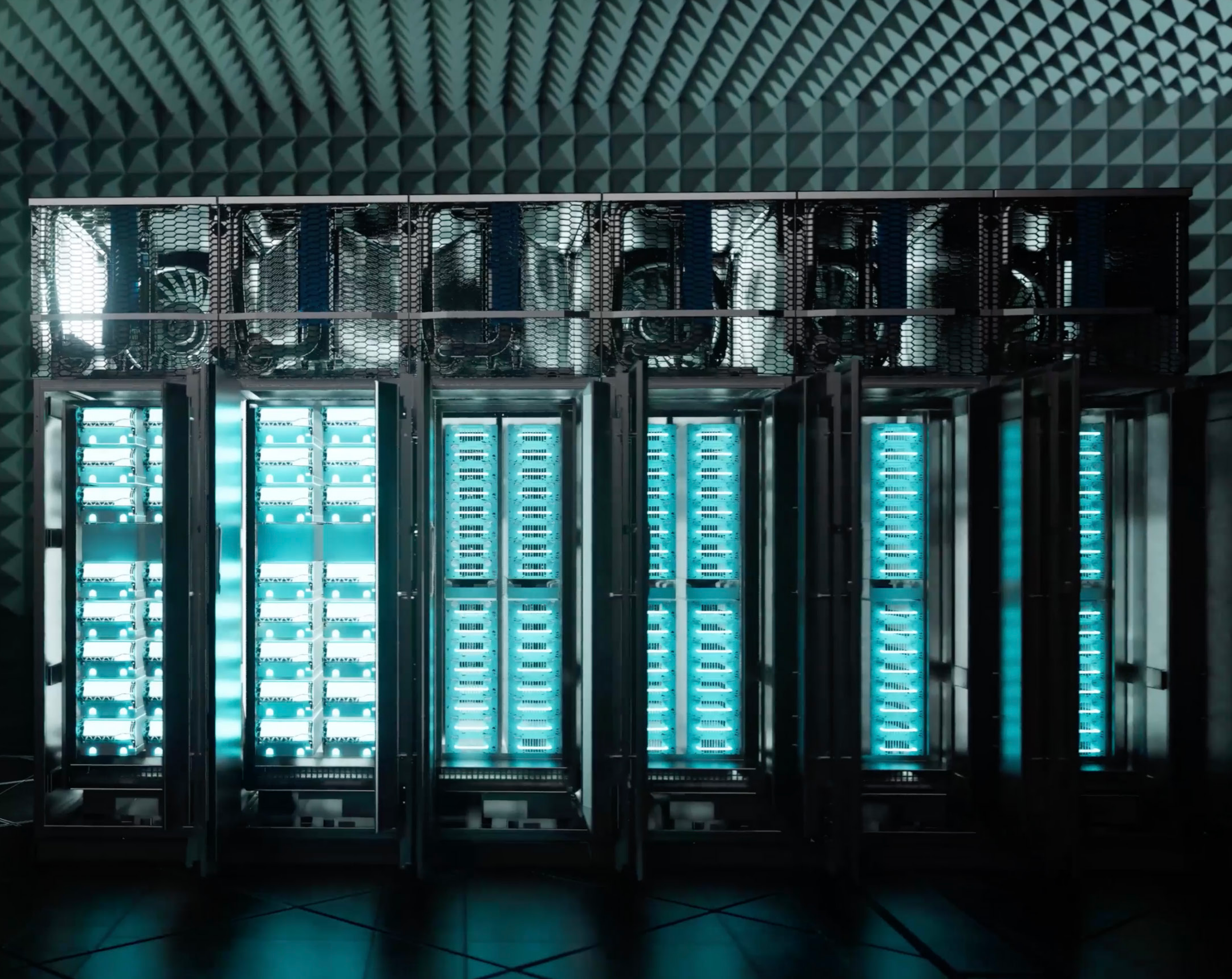
Advanced liquid cooled power electronics

Industry-leading footprint

IP65 sealed enclosure for harsh environments

DC integration with batteries and microgrids

Large branding surfaces



System Characteristics

Grid Voltage: 400VAC 3ph +10%/-15% | 480VAC 3ph +10%/-15%

Grid Frequency: 50Hz ± 10% | 60Hz ± 10%

Efficiency: 97.2%

Communication Protocol: OCPP 1.6J | OCPP 2.0.1

Network Communications: Ethernet or Cellular SIM 4G/LTE

Earthing Systems: TT, TN-C-S, TN-S, TN-C

Local load management interface: MODBUS TCP

Power Factor (Full Power): >0.99

Total Harmonic Distortion (Thd): <5%

Remote management: remote access, configuration, diagnostics, software update

Product Warranty:

3 years warranty included
+1 year | +2 year extensions available

Power Module Warranty: Lifetime warranty included (10 years)

Electrical Safety

Surge Protection: Type 1+2 SPD

Input Overvoltage Category: Category III

Short Circuit Current Rating: 85kA

Electrical Protections: Over current, over voltage, under voltage, short circuit, over temperature

Under-Voltage Relay or Shunt Trip: Optional

Environmental

Maximum Operating Altitude: 3000m (9840')

Operating Temperature: -35°C to +55°C (-31°F to +131°F)

Storage Temperature: -40°C to +60°C (-40°F to +140°F)

Impact Protection Rating: IK10

Ingress Protection Rating: IP65, NEMA Type 3R

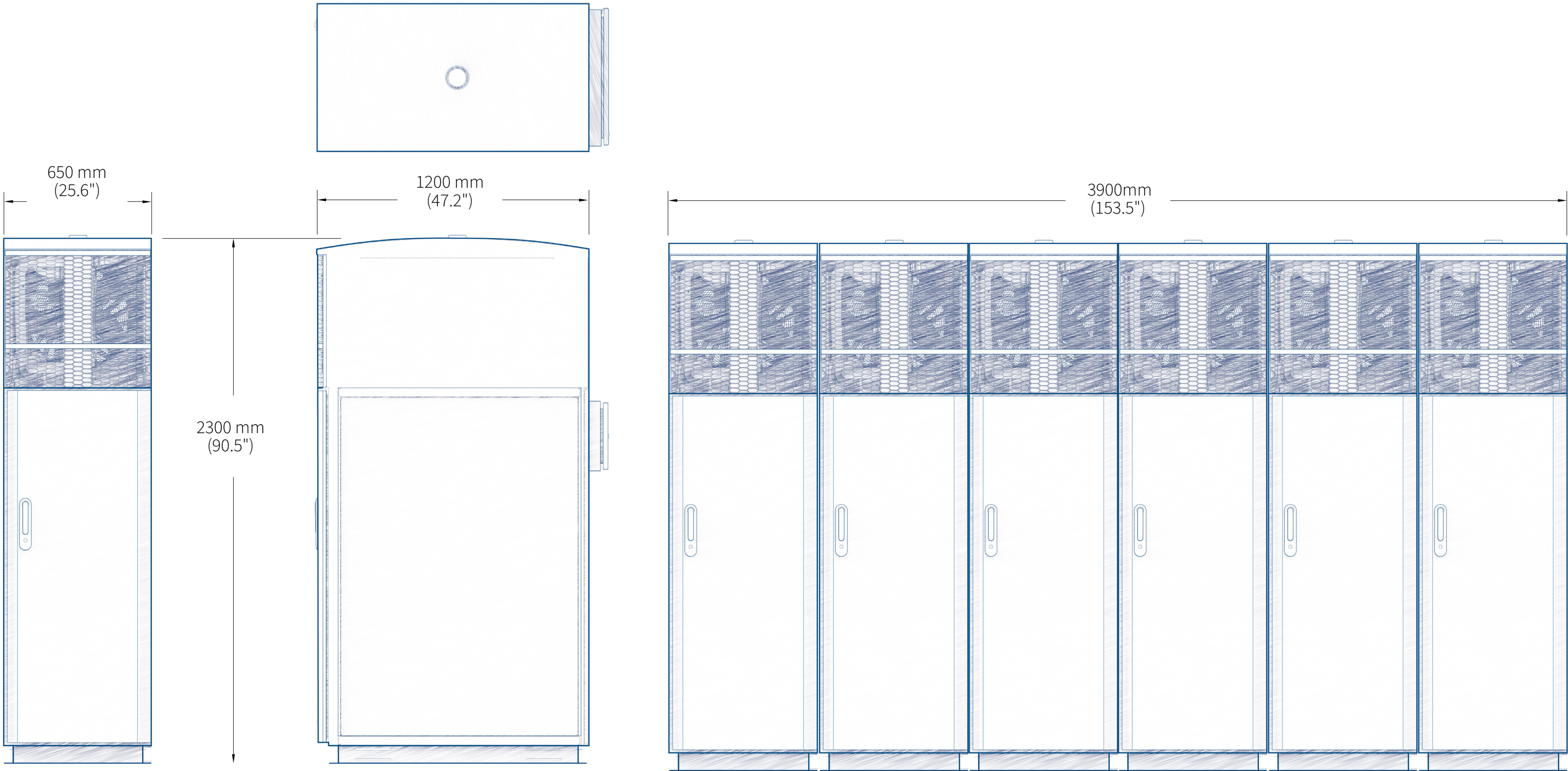
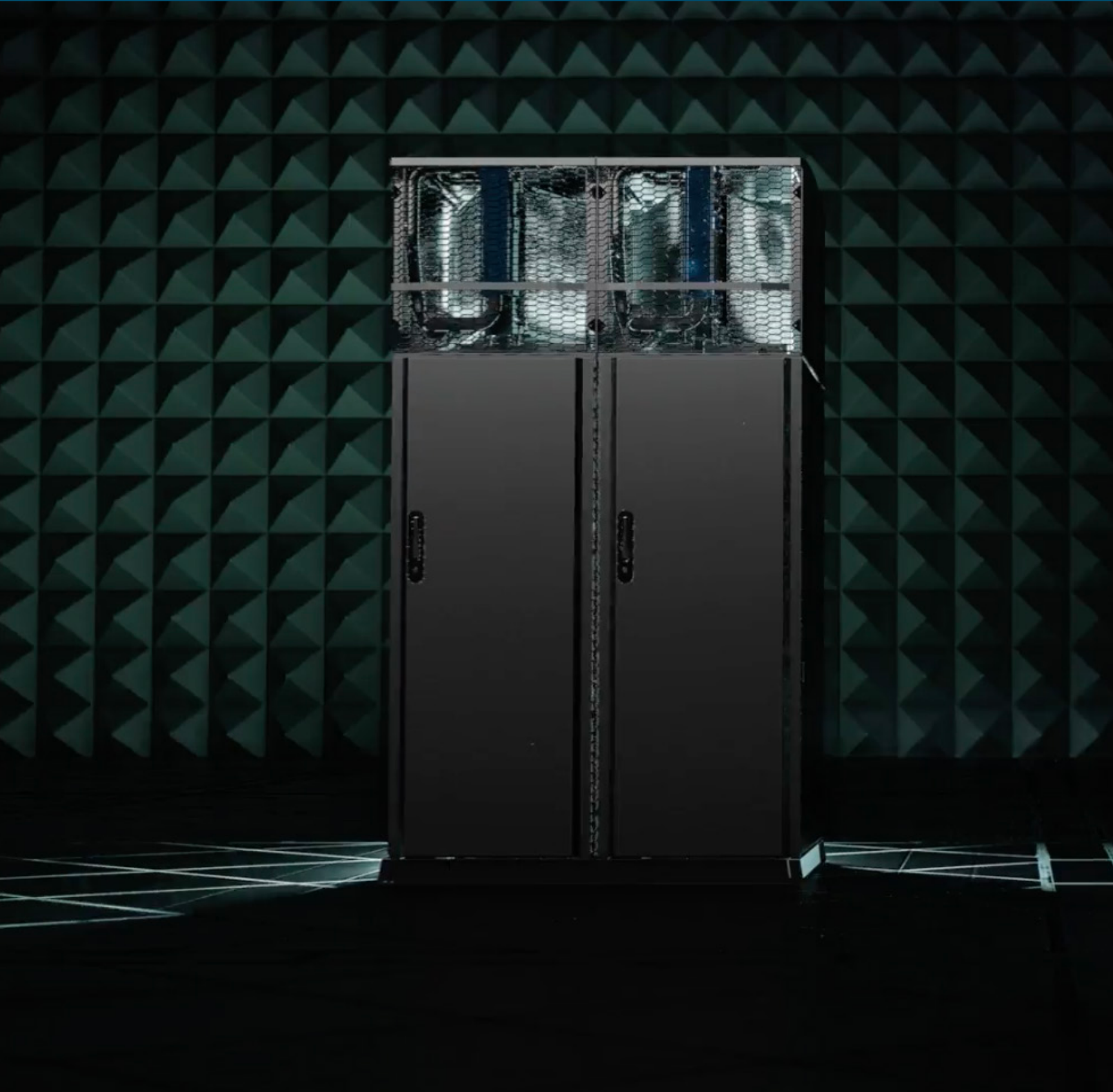
Noise Emission: ≤65 dB(A) @ 1 m, full power 25°C (77°F)

Quiet Mode: ≤ 55 dB(A)



Physical

Height	2300 mm (90.5")
Width	650 mm (25.6")
Depth	1200 mm (47.2")





	400KW - 800KW GRID CONNECTION	1000KW - 1600KW GRID CONNECTION	
DISPENSER POWER	NUMBER OF DISPENSERS		
100kW	8	16	32
400kW	4	8	16
640kW	1	2	4
Nominal Input Current	400V AC : 1260A 480V AC : 1050A	400V AC : 2520A 480V AC : 2100A	
Low Line Input Current	400V AC: 1290A 480V AC: 1170A	400V AC : 2580A 480V AC : 2340A	
DIMENSIONS			
Height	2300mm (90.5")	2300mm (90.5")	2300mm (90.5")
Width	1300mm (51.2")	2600mm (102.4")	3900mm (153.5")
Depth	1200mm (47.2")	1200mm (47.2")	1200mm (47.2")
Weight	1430kg	2860kg	4240kg
Shipping Weight	1610kg	3040kg	4420kg

DISPENSER COMPLIANCE

Standards

Europe: CE	IEC 61851-1, IEC 61851-23, IEC 62311, IEC 61851-21-2, ETSI EN 303 446-1, ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 301 489-52
North America: UL / CSA	USA: UL 2202, 47 CFR § 1.130, FCC 47 CFR Part 15 B, FCC certified GSM (4G) Canada: CSA C22.2, RSS-210 and SPR-002, ICES-003, ISED certified GSM (4G)

Environmental

GlobalRoHS | WEEE

Cyber security

GlobalISO 27001
EUEU Cyber Resilience Act

Legal Metrology

Europe	MID	USA National	NTEP
France	LNE	California	CTEP
Germany	Eichrecht †		

POWER CABINET COMPLIANCE

Standards

Europe: CE	IEC 61851-1, IEC 61851-23, IEC 62311, IEC 61851-21-2, ETSI EN 303 446-1, ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 301 489-52 VDE-AR-N 4110 (50Hz & 60Hz), IEEE-519 (50Hz & 60Hz)
North America: UL / CSA	USA: UL 2202, 47 CFR § 1.130, FCC 47 CFR Part 15 B, FCC certified GSM (4G) Canada: CSA C22.2, RSS-210 and SPR-002, ICES-003, ISED certified GSM (4G)

Environmental

GlobalRoHS | WEEE

Cyber security

GlobalISO 27001
EUEU Cyber Resilience Act



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