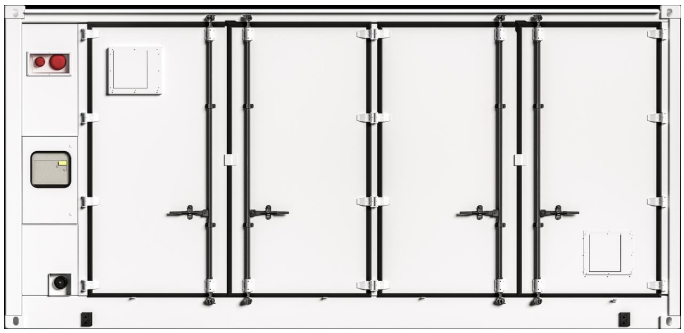
20 ft Liquid-Cooled DC Battery Container

3.344 / 4.180 / 5.016 MWh · LFP 628 Ah

Main Features

- LFP 3.2 V / 628 Ah prismatic cells, 1331.2 V nominal cluster platform
- Standard 20 ft high-cube container, 3 capacity steps: 4, 5 or 6 clusters
- Liquid cooling and liquid heating thermal management
- Layered fire protection: aerosol, explosion-proof ventilation, water spray, DN65 water connection
- IP65 battery room and electrical room, corrosion class C5M
- Factory wiring complete; on-site work limited to PCS DC, auxiliary supply and communication
- Ethernet to EMS, CAN and dry contact to PCS
- 20-year design life; sea and road transport hazard classification completed



Technical Parameters

Model	RE-3343-05D-C25-E-AA 3.344 MWh	RE-4179-05D-C25-E-AA 4.180 MWh	RE-5015-05D-C25-E-AA 5.016 MWh
Battery (DC side)			
Nominal energy	3343.974 kWh	4179.968 kWh	5015.962 kWh
Cell	LFP, 3.2 V / 628 Ah, 2009.6 Wh, prismatic aluminium case		
Pack / cluster	Pack 52S; cluster 8 packs in series, (52S)8S		
Clusters	4	5	6
Configuration	4P[(52S)8S]	5P[(52S)8S]	6P[(52S)8S]
Cell count	1664	2080	2496
Nominal voltage	1331.2 V		
Voltage range	1123.2 ~ 1497.6 V (cell 2.7 ~ 3.6 V)		
Charge / discharge rate	0.5P at 25 ± 2 °C		
Recommended charge / discharge power	1671.98 kW	2089.98 kW	2507.98 kW
Recommended current	1256 A	1570 A	1884 A
Maximum current	1488 A	1860 A	2232 A
Charge / discharge mode	Constant power / constant current		
Charge / discharge efficiency	≥ 94 % (0.5P, 25 ± 2 °C, BOL)		
Interfaces and Auxiliary			
Auxiliary supply	AC 400 V, 50 / 60 Hz		
Communication	Ethernet to EMS; CAN and dry contact to PCS; RS485 reserved		
DC isolating switch / output circuit / SPD	1 / 1 / 1		
Water fire-fighting connection	1 × DN65 quick coupling		
Protection Features			
Fire protection	Aerosol suppression + water spray; explosion-proof ventilation; at least two detection signals, adjustable delay up to 30 s		
Protective class	Class I		
Overvoltage category	II (battery side), III (auxiliary AC)		
General Parameters			
Dimensions (L × W × H)	6058 × 2438 × 2896 mm (±10 mm)		

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Model	RE-3343-05D-C25-E-AA 3.344 MWh	RE-4179-05D-C25-E-AA 4.180 MWh	RE-5015-05D-C25-E-AA 5.016 MWh
Weight	≤ 31.7 t	≤ 37.1 t	≤ 42.5 t
Ingress protection	IP65 (battery room), IP65 (electrical room), IPX5 (chiller control box)		
Cooling method	Liquid cooling and liquid heating		
Operating temperature (system)	−30 ~ 50 °C		
Storage temperature	0 ~ 25 °C up to 1 year; −20 ~ 45 °C up to 1 month		
Humidity	Storage < 85 % RH; operating < 95 % RH		
Altitude (system)	≤ 3000 m; derate above 2000 m		
Noise level	≤ 80 dB(A)		
Corrosion class	C5M		
Design life	20 years		
Colour	RAL 9003		
Standards and Test Reports			
EN 62477-1:2012+A11+A1+A12	Report CN26EHED 001, TÜV Rheinland, 2026-06-02, result Pass		
IEC 62619:2022	Report CN26KO77 001, TÜV Rheinland, 2026-06-01. Battery system REMRL13310628C25BV01 (1331.2 V, 628 Ah)		

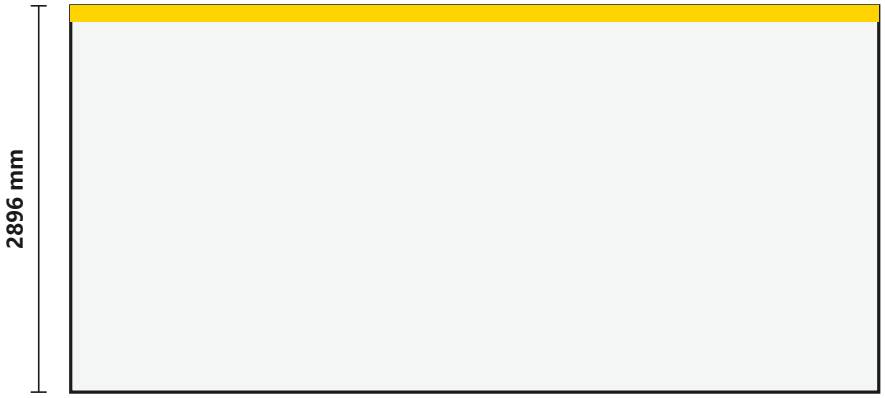
Product specifications are subject to change without prior notification.

20 ft Liquid-Cooled DC Battery Container

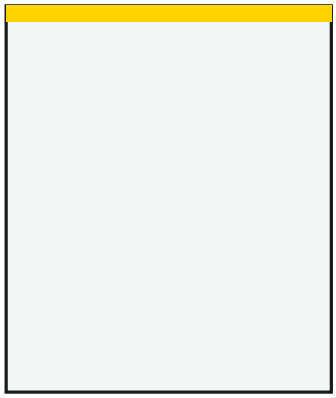
3.344 / 4.180 / 5.016 MWh · LFP 628 Ah

Product Dimensions

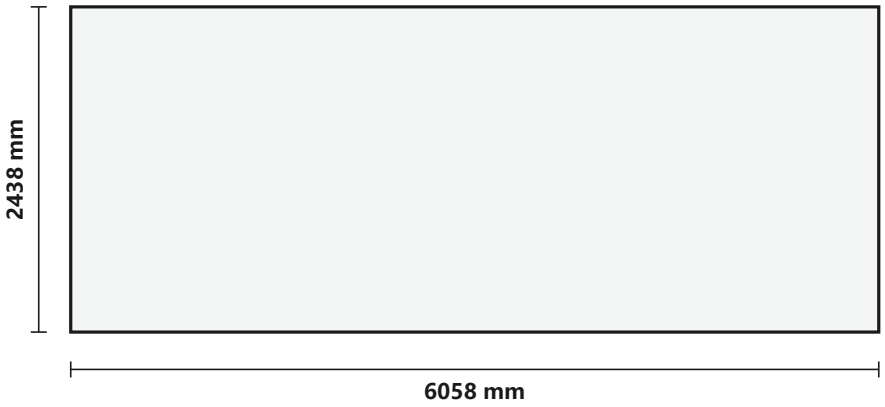
Side view



End view



Top view



RE-3343 / 4179 / 5015

6058 × 2438 × 2896 mm
Weight ≤ 31.7 / 37.1 / 42.5 t
IP65 / IP65 / IPX5