

YOUR
SMART
ENERGY



AlphaCS-H20-DC-LC-EX

1500V Liquid-Cooling System

CAPACITY

Battery Module: 104.4 kWh

System: 5015.9 kWh



Noise Suppression Technology

Active Balancing BMS

High Energy Density

High System Integration

External Maintenance Design

Redundant Dual-Extinguishing System Design

Explosion Relief Panel Is Optional

Intelligent Heat Management Strategy

Back-to-Back Layout to Improve Site Utilization

AlphaCS-H20-DC-LC-EX



Model	AlphaCS-H20-DC-LC-EX
System Parameters	
Dimensions (W x D x H)	6058 x 2438 x 2896 mm
System Weight	43 t
Ingress Protection	IP55
Rated Voltage	1331.2 V
Nominal Capacity	5015.9 kWh
Rated Charging and Discharging Power	2507.9 kW (0.5 P)
Battery Cluster Connection	12 Clusters in Parallel
Battery Chemistry	LFP (LiFePO ₄)
Cooling	Liquid Cooling
BMS Balancing Type	Active Balancing
Noise	≤75dB@1m
Product Type	Outdoor (Container)
Fire-Fighting System	Aerosol + Sprinkler (Explosion relief panel is standard configuration)
Battery Parameters	
Battery Model	M332314-104S-EX
Rated Voltage	332.8 V
Nominal Capacity	104.4 kWh
Rated Charging and Discharging Power	52.2 kW (0.5 P)
Ingress Protection	IP67
Weight	690 kg
Dimensions (W x D x H)	790 x 2210 x 245 mm
Operating Temperature Range	-30 °C ~ 50 °C*
Certification	
Safety(On going)	IEC 62619, IEC 62477, IEC 61000, IEC 62933, UL 9540A, UL 1973, NFPA 69

*The optimum temperature range is 15~35°C.If the ambient temperature is too high or too low, the battery performance may deteriorate.



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