

YOUR
SMART
ENERGY



AlphaCS-H20-DC-LC

1500V Liquid-Cooling System

CAPACITY

Battery Module: 46.5 kWh

System: 3727.3 kWh



Flexible Site Layout

High Energy Density

External Maintenance Design

High-Level System Integration

Safer Dual Fire Fighting Design

Intelligent Thermal Management Strategy

AlphaCS-H20-DC-LC



Model		AlphaCS-H20-DC-LC
System Parameters		
Dimensions (W x D x H)	6058 x 2438 x 2896 mm	
System Weight	35 t	
Ingress Protection	IP55	
Rated Voltage	1331.2 V	
Nominal Capacity	3727.3 kWh	
Rated Charging and Discharging Power	1863.6 kW (0.5 P)	
Battery Cluster Connection	10 Clusters in Parallel	
Battery Chemistry	LFP (LiFePO ₄)	
Cooling	Liquid Cooling	
Product Type	Outdoor Container	
Fire-Fighting System	Aerosol + Sprinkler (Perfluorohexanone is optional)	
Battery Parameters		
Battery Model	M166280-S	
Rated Voltage	166.4 V	
Nominal Capacity	46.5 kWh	
Rated Charging and Discharging Power	23.2 kW (0.5 P)	
Ingress Protection	IP67	
Weight	333 kg	
Dimensions (W x D x H)	810 x 1110 x 237.5 mm	
Operating Temperature Range	-30 °C ~ 50 °C*	
Certification		
Compliance	IEC 62619, IEC 62477, UL 9540A, UL 1973, IEC 61000	

*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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