

● YOUR
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AlphaCS-H20-DC-LC

1500V Liquid-Cooling System

CAPACITY

Battery Module: 46.5 kWh

System: 3727.3 kWh



- Flexible Site Layout**
- High Energy Density**
- High System Integration**
- External Maintenance Design**
- Safer Dual Fire Fighting Design**
- Intelligent Heat 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	
Cycle Life	≥6000 @ 0.5 P 25°C	
Operating Temperature Range	-30 °C ~ 50 °C*	
Certification		
Safety	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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