

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, IEC 61000, IEC62933, 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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