

● YOUR
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STORION **AlphaCS-H20-DC-LC**

COMMERCIAL &
INDUSTRIAL SERIES

1500V Liquid-Cooled System

CAPACITY

46.6 kWh Battery Module
Expandable to MWhs



High Energy Density

High System Integration

Intelligent Heat Management

External Maintenance Design

Flexible Layout

Safer Intelligent Fire Suppression

System Temperature Difference $\leq 5^{\circ}\text{C}$



AlphaCS-H20-DC-LC



Model		AlphaCS-H20-DC-LC
System Parameters		
Dimensions (L x W x H)	6058 x 2438 x 2896 mm	
Operating Voltage	1123.2 ~ 1497.6 V	
Nominal Capacity	3354.6 kWh	
System Weight	35 t	
IP Protection	IP54	
Battery Type	LiFePO ₄	
Cooling	Liquid Cooling	
Application Model	Outdoor (Container)	
Battery Technical Parameters		
Battery Model	M166280-S	
Rated Voltage	166.4 V	
Nominal Capacity	46.6 kWh	
Rated Charging/Discharging Ratio	0.5C	
Weight	349.5 kg	
Dimensions (W x D x H)	810 x 1110 x 347.5 mm	
Cycle Life	≥6000@ (0.5C 25°C)	
Operating Temperature Range	-30 °C ~ 50 °C*	
High-Voltage Box Technical Parameters		
Model	HV1500250	
Max. DC Voltage	1500 V	
Max. Current	250 A	

* Max. charge/discharge current derating will occur related to temperature and SOC.



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