

● YOUR
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STORION

AlphaCS-H20-DC-LC

大型储能系统

1500V液冷系统

容量

电池模块容量:46.6 kWh

系统容量:3.354 MWh



能量密度高

系统集成度高

智能热管理策略

支持最大1P运行

外维护设计, 高效便捷

支持拼箱并箱, 灵活布局

多重智能消防系统, 更安全

均温性好, 全系统温差5°C以内



AlphaCS-H20-DC-LC

型号		AlphaCS-H20-DC-LC	
系统技术参数			
尺寸(长 x 宽 x 高)	6058 x 2438 x 2896 mm (20呎高箱)		
工作电压范围	1123.2 ~ 1497.6 V		
额定能量	2981.9 kWh	3354.6 kWh	
系统重量	30 t	35 t	
防护等级	IP54		
电池类型	磷酸铁锂		
热管理方式	液冷		
应用环境	室外 (集装箱)		
电池模块技术参数			
电池模块型号	M166280-S		
额定电压	166.4 V		
额定能量	46.6 kWh		
额定充放电倍率	0.5P / 1P		
重量	349.5 kg		
尺寸(宽 x 深 x 高)	810 × 1110 × 347.5 mm		
循环次数	≥ 6000@ (25°C, 0.5P)		
工作温度范围	-30°C ~ 50°C*		
高压控制箱技术参数			
高压箱型号	HV1500350		
重量	35 kg		
尺寸(宽 x 深 x 高)	525 x 670 x 250 mm		
最高直流电压	1500 V		
最大电流	350 A		

*环境温度太高或太低, 电池性能下降。



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STORION **AlphaCS-H20-DC-LC**

COMMERCIAL &
INDUSTRIAL SERIES

1500V Liquid-Cooled System

CAPACITY

46.6 kWh Modular
Expandable to MWhs



High Energy Density

High System Integration

Smart Thermal Management

Support up to 1P Operation

External Maintenance Design

Flexible Layout

Safer Intelligent Fire Suppression

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



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	LiFePO4		
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	0.5P / 1P		
Weight	349.5 kg		
Dimensions (W x D x H)	810 x 1110 x 347.5 mm		
Cycle Life	≥6000@ (0.5P 25°C)		
Operating Temperature Range	-40 °C ~ 65 °C*		
High-Voltage Box Technical Parameters			
Model	HV1500250	HV1500350	
Max. DC Voltage	1500 V	1500 V	
Max. Current	250 A	350 A	

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



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