

● YOUR
● SMART
● ENERGY



Aster 5000

1500V Liquid-Cooling System

CAPACITY

Battery Module: 104.4 kWh
System: 5015.9 kWh



KEY FEATURES

- High Energy Density
- Active Balancing BMS
- High System Integration
- External Maintenance Design
- Explosion Relief Panel Design
- Noise Suppression Technology
- Intelligent Heat Management Strategy
- Redundant Dual-Extinguishing System Design
- Back-to-Back Layout to Improve Site Utilization

Aster 5000



System Parameters	
Model	AlphaCS-H20-DC-LC-EX
Dimensions (W x D x H)	6058 x 2438 x 2896 mm
System Weight	43 t
Ingress Protection	IP55
Rated Voltage	1331.2 V
Nominal Capacity	5015.9 kWh
Rated Charging and Discharging Power	2507.9 kW (0.5 P)
Battery Cluster Connection	12 Clusters in Parallel
Battery Chemistry	LFP (LiFePO ₄)
Cooling	Liquid Cooling
BMS Balancing Type	Active Balancing
Noise	≤75dB@1m
Product Type	Outdoor (Container)
Fire-Fighting System	Aerosol + Sprinkler (Explosion relief panel is standard configuration)
Battery Parameters	
Battery Model	M332314-104S-EX
Rated Voltage	332.8 V
Nominal Capacity	104.4 kWh
Rated Charging and Discharging Power	52.2 kW (0.5 P)
Ingress Protection	IP67
Weight	670 kg
Dimensions (W x D x H)	790 x 2210 x 245 mm
Operating Temperature Range	-40 °C ~ 50 °C*
Certification	
Safety	IEC 62619, IEC 62477, IEC 61000, IEC 62933, 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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