

YOUR  
SMART  
ENERGY



# Aster 5000

1,500 V Liquid-Cooling System

## CAPACITY

Battery Module: 104.4 kWh  
System: 5,015.9 kWh



## KEY FEATURES

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

\*Net Promoter Score (Recommendation Rate); Source: EUPD Research 2024 Residential

# Aster 5000



| Model                                | AlphaCS-H20-DC-LC-EX  |
|--------------------------------------|---|
| System Parameters                    |   |
| Dimensions (W x D x H)               | 6,058 x 2,438 x 2,896 mm  |
| System Weight                        | 43 t  |
| Ingress Protection                   | IP55  |
| Rated Voltage                        | 1331.2 V  |
| Nominal Capacity                     | 5,015.9 kWh   |
| Rated Charging and Discharging Power | 2,507.9 kW (0.5 C)  |
| Battery Cluster Connection           | 12 Clusters in Parallel   |
| Battery Chemistry                    | LFP (LiFePO4)   |
| Cooling                              | Liquid Cooling  |
| BMS Balancing Type                   | Active Balancing  |
| Noise                                | ≤75 dB @ 1m   |
| Product Type                         | Outdoor (Container)   |
| Fire-Fighting System                 | Aerosol + Sprinkler<br>(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 C)   |
| Ingress Protection                   | IP67  |
| Weight                               | 670 kg  |
| Dimensions (W x D x H)               | 790 x 2,210 x 245 mm  |
| Operating Temperature Range          | -30 °C ~ 50 °C*   |
| Certification                        |   |
| Safety                               | IEC 62619, IEC 62477, IEC 61000, IEC 62933,<br>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.

