

Energy-efficient energy storage Magic series

# Estone M Series



Excellent performance to meet various scene. The design theory of the energy storage device is "intelligent, safe, efficient and modular".

- Equipped with advanced AI algorithm platform and advanced LiFePO4 battery (lithium iron phosphate battery).
- Fundamentally improve energy efficiency
- Dramatically lower user-side system cost
- Significantly reduce the energy consumption of the user-end system
- Improve economic benefits



## PRODUCT CHARACTERISTICS



### Intelligent strategies

Online monitoring, detection, early warning; upgraded online; MBS, EMS, PCS integration, AI integration cloud, phone and computer remote control; quick access to analysis data



### Flexibility and paralleling

customized modular, as required expansion; support multi-well connection, flexible networking; easy installation, zero commissioning on site



### Breakthrough security

Intelligent health assessment, intelligent early warning, fault prediction frontier AI algorithm 1-4 weeks in advance to predict the battery thermal runaway; AI battery Doctor and Intelligent temperature control thermal

management; Level 3 fire safety measures, IP54



### Environmentally friendly

can be used in a variety of complex scenarios environment-friendly; Easy infrastructure in stallation



### Economical efficiency

DC side energy efficiency; 96%; Remote intelligent-operation and maintenance, low cost; improve energy efficiency, increase revenue efficiency, and save 12% of costs; millisecond response covering the full life cycle of affordable KWH cost



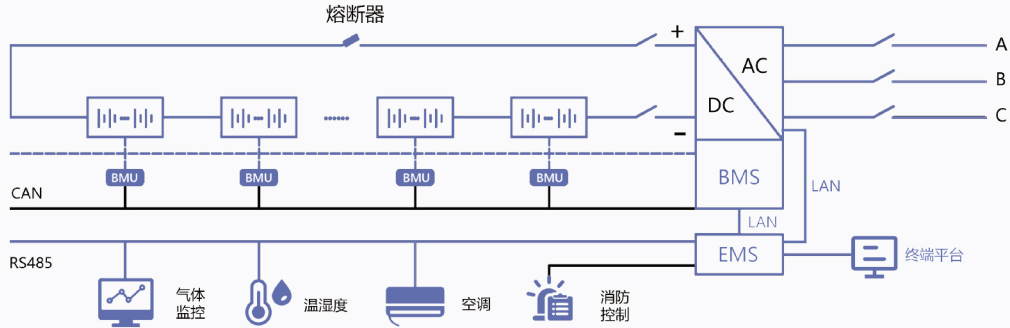
### Prolong battery lifetime

Balanced control Extends battery life exceeds 20 years

# E-Stone M

## Technical index & Parameter

Topology graph



Type	E-STONE M600-A	E-STONE M600-B
<b>DC Parameter</b>		
Cell model	LFP280AH	LFP280AH
Battery PACK configuration	14.336KWH/1P16S	14.336KWH/1P16S
Battery System configuration	215KWH/1P240S	215KWH/1P240S
Rated voltage	768	768
Battery Voltage range	672~876V	672~876V
<b>AC parameter</b>		
Rated AC power output	250KW@0.3C	375KW@0.5C
Rated AC power voltage	400±15%	400±15%
Rated output frequency	50HZ	
Output frequency range	±2.5HZ	
Power factor	-1~1Adjustable	
Total harmonic current distortion (THD)	≤3%	
<b>Environmental parameters</b>		
Safety protection	IP55	
Cooling method	Air cooling	
Operating Temperature	-35~55℃	
RH ( relative humidity)	5%~55% No condensation	
Operating Elevation	≤2000m	
Communication	LAN RS485 CAN	
Display	Touch Panel	
<b>Structure parameter</b>		
Dimension W*D*H (mm)	4630*2850*2950	4630*2850*2950
weight (KG)	≈11500Kg	≈11500Kg
Fire Extinguishing system	Gas detection+Hfc-propane immersion+Water Mist System	