

AI Smart Control 5-Min Maintenance

STAR H-PLUS Outdoor All-in-One Liquid-Cooled ESS

125 kW / 254 kWh (306Ah) 125 kW / 261 kWh (314Ah)

65dB Low-Noise Operation

5-Min Simplified Maintenance

40s One-Touch Start/Stop

Globally Certified in 45 Countries



STAR H-PLUS Product Advantages

Maximize Returns with Lifecycle Cost Reduction

(306Ah Cells)

83.6kWh/m³ Energy Density

Cuts transport and land costs



STAR H-PLUS × 7

1778 kWh

STAR H-PLUS × 14

3556 kWh

Transport energy is **91%**
higher than previous generation

External Power Button

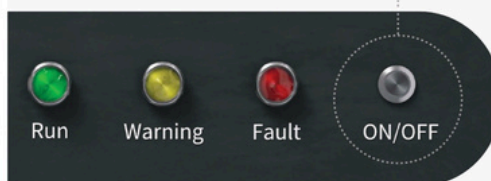
for Easy Control

30s

Power On

10s

Power Off



65dB Low Noise

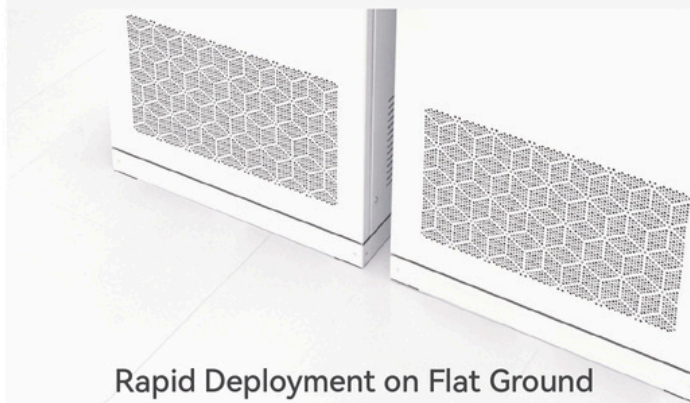
(@1m, Nominal Power)



Quiet Operation, Non-Disruptive

Foundation-Free

Easy Installation



Rapid Deployment on Flat Ground

5-Min Setup & Maintenance for Easy Operation



Quick Setup

App-based configuration,
master-slave setup in **5** min.



Simplified O&M

Independent Electrical Compartment

Front-Access Maintenance

Standardized Quick Connectors

One-Step Component Replacement

Upgraded Core Components

- No UPS Required
- **10**-Year Maintenance-Free Combustible Gas Detector

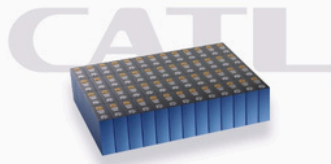
Intelligent Automatic Coolant Refill

- Reduced Refill Frequency
- Lower O&M Costs



STAR H-PLUS Product Advantages

CATL LFP Cells



Cycle life $\geq 10,000$ (306Ah)

RTE > 88%

Higher Returns



Frequency Regulation:

Single-unit response time < 200ms

System response time < 250ms

Supports aFRR, mFRR, FCR

Master-Slave Integration

Supports up to 10 units in parallel (2.54 MWh / 2.61 MWh)

Seamless Power During Outages

With STS Automatic Grid/Off-Grid Switch
Ensures Continuous, Stable Power Supply



Grid Code in 45 Countries

Germany, United Kingdom, France,
Denmark, Sweden, Finland, Italy, Spain,
Poland, Czech Republic, Estonia, Austria,
Lithuania, South Africa, Thailand...



AI Smart Temperature Control

Compatible with All Environments

Equipped with AI adaptive algorithms

Stable operation from $-25^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Precise temperature control for optimal performance

Cell-to-cell temperature difference $\leq 3^{\circ}\text{C}$



6 Global Product Certifications



IEC 62619, IEC 63056, IEC 60730-1,
IEC 62477-1, IEC 61000-6-2&4, UN38.3

STAR H-PLUS Product Specifications



STAR H-PLUS		
Battery Parameters		
Cell Type	LFP	
Cell Capacity	306 Ah	314 Ah
Nominal Energy	254.59 kWh	261.24 kWh
Cooling Method	Liquid	
Battery Pack IP Level	IP67	
AC Parameters		
Nominal Power	125 kW	
Nominal Grid Voltage	380 Vac / 400 Vac	
Nominal Grid Frequency	50 Hz	
DC Parameters		
Nominal Voltage	832 Vdc	
Voltage Range	728 Vdc to 936 Vdc	
System Parameters		
Temperature	-25°C to 55°C(> 45°C derating)	
Humidity	≤95% RH, Non-condensing	
Altitude	≤4000m(> 2000m derating)	
IP Level	IP55	
Dimensions (W × D × H)	1000 × 1450 × 2100 mm	
Weight	~ 2.3T	
Communication Method	Ethernet	



Powering the World with Energy Storage



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