



Safe Energy Storage System
Solutions Expert

Star Series Cabinet ESS



Star



Star Pro

◆ Product Highlights

High Integration

- Integrated design, plug and play, easy to install.

Safe and Reliable

- IP54 protection level;
- Electrical safety, system safety, electrochemical safety, mechanical safety and other safety tests;
- As high as C4 the anti-corrosion level of the outer box, service life over 15 years.

Efficient and Flexible

- Modular design, supports parallel use;
- Suitable for various scenarios, flexible load configuration.

Smart and Friendly

- Machine App monitors product operating status and real-time revenue data.

iBMS

- The new iBMS realizes refined and personalized battery life cycle safety management.

SOC Correction Algorithm

- In incomplete discharge scenarios, the SOC accuracy is greatly improved to 3%;
- Sop correction algorithm extends battery life by 15%.

Cloud Security Warning

- Full-dimensional security warning function, 7*24 hours to ensure battery safety.

Temperature Management

- Full-scenario thermal simulation analysis, suitable for complex environments.

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Star Series Cabinet ESS



◆ Product Parameters



Model	Star 258 / Pro	Star 289 / Pro	Star 385 / Pro
System Parameters			
Battery Type	LFP		
Rated Capacity	258kWh	289kWh	385kWh
Rated Power	125kW	135kW	/
Cooling Type	Liquid Cooled		
IP Protection Level	IP54		
Corrosion-proof Grade	C4		
Fire Protection System	Aerosol Fire Fighting		
Noise	< 65dB (1m Away from the System)		
Dimension	(1588±10)*(1380±10)*(2450±10)mm		1578mm*1380*2500mm
Weight	2950±150kg	3050±150kg	≤3900kg
Working Temp. Range	-30°C~55°C (Derating When > 45°C)		
Relative Humidity Range	0~ 95 % (Non-condensing)		
Communication Interface	RS485 / CAN		
Communication Protocol	Modbus RTU		
Cycle Life	≥6000	≥8000	≥8000
System Certification	GB/T 36276, GB/T 34131		
Max. Efficiency of System	> 89%	> 89%	> 93%
Quality Guarantee	≥5 Years		
EMS	Possess	Possess	Not Possess
Application Scenarios	New Energy Generating, Distributed Generating, Micro-grid ESS, EV Charge, City ESS, Industrial & Commercial ESS, etc.		
DC Battery Parameters			
Rated Voltage	921.6V	921.6V	1228.8V
Voltage Range	720 ~ 1000V	720 ~ 1000V	960 ~ 1401.6V
Charge & Discharge Ratio	0.5P		
Max. Input DC Power	125kW	135kW	/
AC Side Parameters			
Rated AC Voltage	400V	400V	/
Rated Output Frequency	50/60Hz	50/60Hz	/
Rated Power	125kW	135kW	/
Rated Current	182A	196A	/
Max. AC Power	150kW (60S 25°C)	162kW (60S 25°C)	/
AC/DC Converter Grid-connected Certification	For Star 258/Pro Only: GB/T 34120, GB/T 34133, CE,EMC,EN50549,G99, VDE V 0126-1-1VDE-AR-N 4105, AS/NZS 4777.2:2020, NRS 097-2-1:2017		