

Star Series —— Cabinet ESS

Product Highlights

• High integration

※ Integrated design, plug and play, easy to install

• Efficient and Flexible

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

• iBMS

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

◆ Cloud Security Warning

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

• Safe and Reliable

※ IP54 protection level;
 ※ Electrical safety, system safety, electrochemical safety, mechanical safety and other safety tests.
 ※ As high as C4H the anti-corrosion level of the outer box, service life over 15 years.

• Smart and Friendly

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

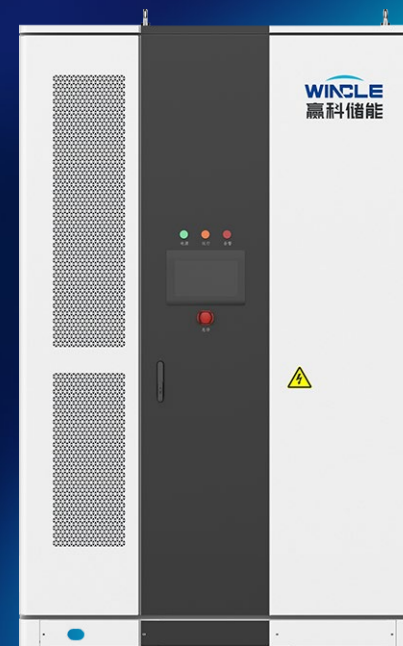
• SOC correction algorithm

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

• Temperature Management

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

Star



Star Pro



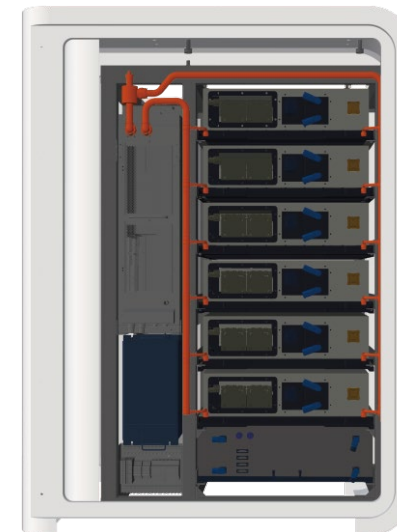
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Product parameter

Model	Star 258/Pro	Star 289/Pro	Star 385/Pro
Rated capacity	258kWh	289kWh	385kWh
Rated power	120kW	135kW	/
Nominal voltage	AC380V (AC315/290V)		
Rated output frequency	50Hz		
Unbalanced load capacity	100%		
IP protection level	IP54		
Cooling method	Liquid cooling		
Noise	<65dB (1m away from the system)		
Size	W1578*D1380*H2450mm W1578*D1380*H2500mm		
Communication interface	RS485		
Communication protocol	Modbus tcp		

Product interior

- 01 • System monitoring
- 02 • Electric quantity measuring unit
- 03 • Surge protection
- 04 • Energy measuring unit
- 05 • Inverter unit
- 06 • Liquid cooling system
- 07 • Battery pack
- 08 • AC protection



Liquid cooled battery pack

The standard liquid-cooled battery pack uses an integrated housing with a liquid cooling system at the bottom. A battery pack with a voltage of 153.6V and a capacity of 280Ah is composed of 4 standard modules in series.

