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SOLAR INVERTER AND MORE 2026 Energy Storage Series Datasheet

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- Engineered with multi-level disconnection and a 3-tier intelligent fire protection system, fully compliant with GB, UL, and IEC standards.

ULTIMATE SAFETY (3-TIER PROTECTION)



- Integrated BMS/EMS enables VPP connectivity, real-time dispatch, and flexible modes for optimized returns.

SMART & PROFITABLE MANAGEMENT



- Highly integrated design drastically reduces deployment costs.
- Features LFP cells guaranteeing a system lifespan of up to 15 years.

COST-OPTIMIZED & LONG-LIFE



- Modular, all-in-one system allows direct low-voltage connection and ensures rapid, easy installation for diverse applications.

FLEXIBLE & FAST DEPLOYMENT



Model	STA-HT125/261
DC Parameters	
Battery Type	Lithium iron phosphate (LFP)
Rated Capacity	261kWh
Cycle Life	8000 cycles @ (0.5P/0.5P, DOD100%, 70%EOL)
Configuration	1P260S
Rated Voltage	832V(25°C±2°C)
Voltage Range	728V ~ 936V
Max. Charging / DischargingPower	0.5P / 0.5P
AC Parameters	
Rated Power	125kW
Max Power	137.5kVA
Rated Voltage	230V/400V
Voltage Deviation	-15%~+15%
Rated Frequency	50/60Hz
Current THD	< 2% (rated power)
Power Factor	1 (leading) ~ 1 (lagging)
AC Output Type	Three-phase four-wire
System Parameters	
Operating Temperature	0°C~55°C(charging), -25°C~55°C(discharging)
Humidity Range	≤95%,RH
Operating Altitude	<2000m
IP Rating	IP55
Cooling Method	Liquid-cooled
Fire Extinguishing Agent	Aerosol
Weight	2700±50kg
Dimension(W*D*H)	1000*1440*2380(mm)
Communication	RS485/CAN/ Ethernet
Certification	UN38.3, IEC62619, IEC63056, IEC61000, IEC62477



- Efficient and intelligent thermal management design
- Hierarchical linkage protection
- Cabinet fire barrier, 1200 °C * 2h

SAFE AND EFFICIENT



- Highly integrated design, system efficiency up to 88%
- Adopt lithium iron phosphate long - life battery with a cycle life of 6000 cycles
- 30% lower energy consumption than air-cooling system

ECONOMICAL AND RELIABLE



- With energy storage cloud platform, full life cycle health management
- Built-in EMS, multiple operating modes to increase revenue
- Strong compatibility, support remote upgrade and control

SMART AND FRIENDLY



- All - in - one design, can be directly connected to the low-voltage distribution network
- Adapt to different application scenarios
- Easy installation and debugging, flexible

FLEXIBLE LAYOUT



Model	STA-HT215/418
Battery type	Lithium iron phosphate (LFP)
Rated capacity	314Ah
Rated energy	418 kWh
DC rated voltage	1331.2V (25°C±2°C)
DC working voltage range	1164.8V~1497.6V
Rated power	215kW
AC output voltage	690V/800V
Charging and discharging mode	Constant power
Power of liquid cooler	8kW
Battery self discharge rate	≤3%/month (25°C, 50%SOC)
Factory state of charge	30%~40%SOC
Way of fire protection	PACK grade aerosol + cluster grade aerosol + cluster grade water fire protection
IP rating	IP55
Altitude	<2000m
Operating temperature	0 °C~55°C (charging), -25 °C~55°C (discharging)
Storage temperature	-25°C~55°C
Operating humidity	5%~95%, RH
Weight	3800±50kg
Dimensions (length*width*height)	L1680*W1400*H2335mm
Installation position	Outdoor