

All-in-One, One-Tap Start

STAR Q-PLUS | **125kW**
PV-ESS-Diesel Hybrid | **250kWh**

10ms Grid/Off-Grid Switch

10min Rapid Maintenance



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STAR Q-PLUS Product Advantages



125kW
Hybrid Inverter



Multi-Scenario

- Self-Use
- Off-Grid
- Emergency Backup

10min Rapid Maintenance Maximum Efficiency

- Independent Distribution Box** for Easy Servicing
- Quick-Connect Plugs** for Simple Handling
- External Button** for One-Tap Start/Stop

External Button

Quick-Connect Plugs

Quick-Connect Plugs

Independent Distribution Box

CATL 306Ah LFP Battery Cell

Precise Cell Temperature Control

- Battery Temperature Sensors ×8
- Busbar Temperature Sensors ×2
- Fuse ×1

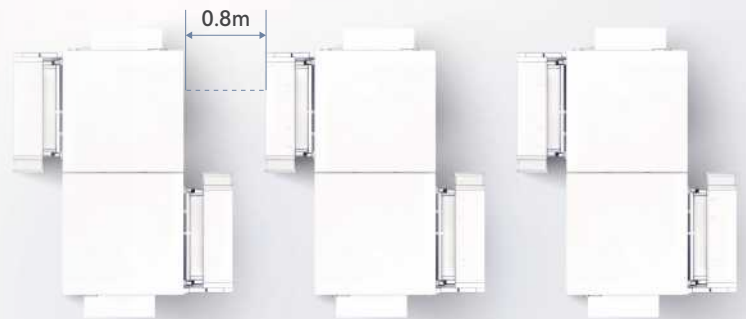
306Ah

LFP Battery Cell

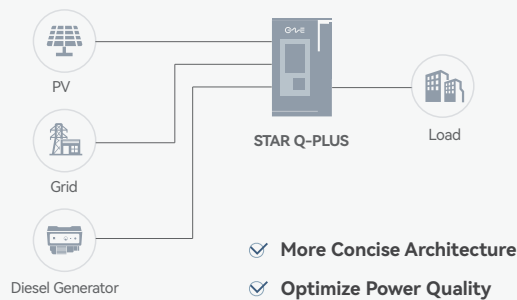
Cycle Life ≥ **10,000**

STAR Q-PLUS Product Advantages

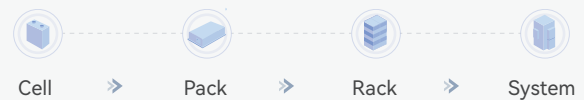
- **250kWh** in Just **2.23m²**
- Supports **Back-to-Back** Layout
- Expandable to **12** Battery Cabinets (**3 MWh**)



CNTE PV+Diesel Generator+ESS Solution



Quadruple Protection



Fire-fighting Accessories:

- Aerosol
- E240 Fire Resistance Protection
- Pressure/Explosion relief
- Water Firefighting

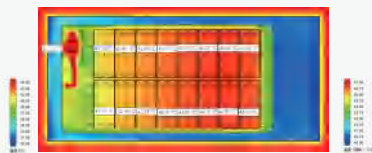
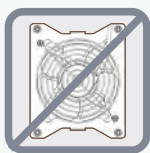
All-in-One

Pre-installation/debugging
Ready For Use
Easy Installation, Flexible Deployment

Insulation Detection at Start Up
Leakage Current Detection in Operation

Air-Fin Self-Cooling | Lifetime Maintenance-Free

- **Air-fin Patent**
- **Fanless, Quieter**



Thermal simulation diagram of the pack

- **IP67** Sealed Protection
Fully isolate condensate water, dust, etc.



STAR Q-PLUS Product Specifications



	STAR Q-PLUS
Battery Parameters	
Cell Type	LFP
Cell Capacity	306Ah
Nominal Energy	250.67kWh
Max. Charge/Discharge Rate	0.5P/0.5P
Battery Pack IP Level	IP67
Cooling Method	Air Cooling
AC Parameters	
Nominal Power	125kW
Nominal Grid Voltage	380Vac/400Vac
Nominal Grid Frequency	50Hz
PV Input	
MPPT Voltage Range	150 ~ 950Vdc
Max.PV Input Power	250kW
MPPT Channels/Max. Number of Input Channels	10/20
Max.PV Input Current	10*42A
System Parameters	
Temperature	-25 ~55°C (> 45°C Derating)
Humidity	0-95%, non-condensing
Altitude	≤ 4000m (> 2000m Derating)
IP Level	IP55
Dimensions(W*D*H)	1600*1450*2350mm
On-Off Grid Switching Time	< 10ms

Statement: The final right of interpretation of this product information belongs to CNTE. Product parameters, functional descriptions and appearance designs may be adjusted due to the iterative upgrade of the product without prior notice. Please refer to the latest official release information.



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