

QBESS-Q

All-in-One ESS Cabinet

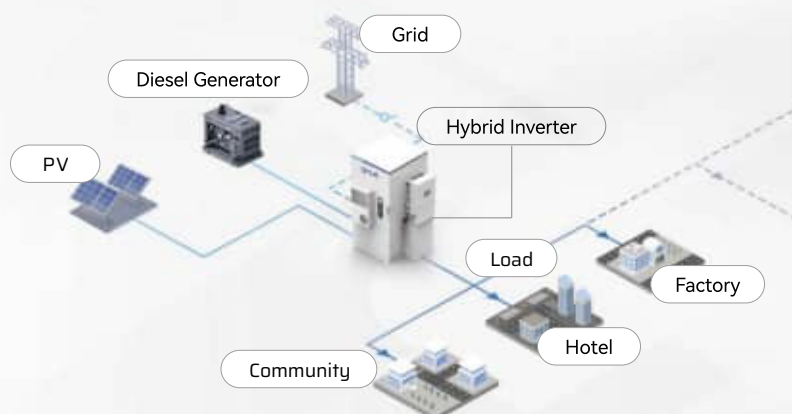
Seamless On/Off-Grid, **One Cabinet Forms a Micro-Grid**

- Pure off-grid,
Power **10 families** a day

*At 10 kWh/d/family (estimated)

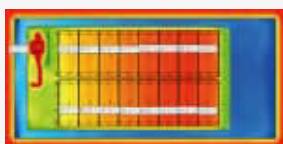
- **Adopt the hybrid inverter**

Supports access of multi-power sources:
Diesel generator, PV, Grid...



Patented **Self-Cooling Pack**, Lifecycle **Maintenance-Free**

- **Air-fin patent**, even heat spread



Thermal simulation diagram of the pack

- **Fanless**, quieter

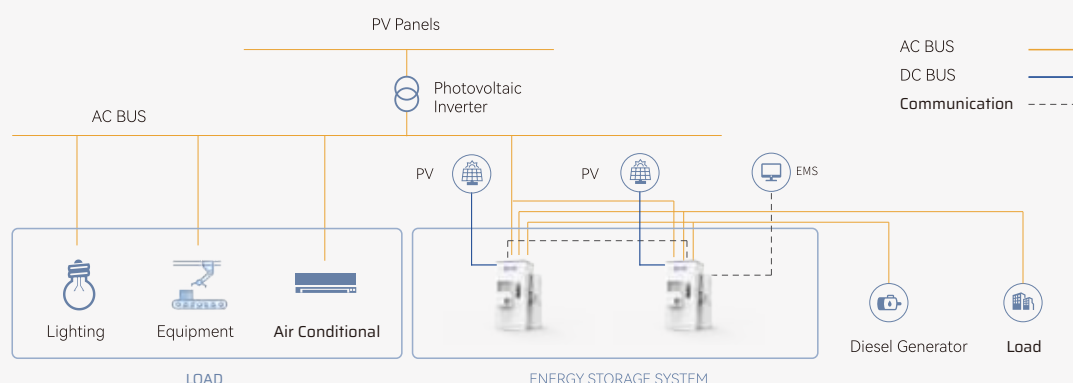


- **IP67 Sealed Protection**

Fully isolate condensate water, dust, etc.



Topology



Support **6** AC in Parallel
Up to **10** Cabinets Expandable

All-in-One

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

Product Specifications

Commercial and Industrial ESS QBESS-Q



PRODUCT MODEL	QBESS-Q
BATTERY SPECIFICATIONS	
Battery Type	LFP
Battery Model	306Ah
Energy Capacity	109kWh
Cycle Life (@25°C, 0.5P)	≥10000
P-rate	≤0.5P
Battery Compartment Ingress Protection	IP67
COMMUNICATION (ON/OFF-GRID)	
Rated output power	50kW
Rated Input Voltage (3/N/PE)	380/400Vac
Rated Frequency	50/60Hz
THDi	< 3%
THDu	< 3%
PV INPUT	
MPPT Voltage Range	150 ~ 850Vdc
Max. Input Power of PV	96kW
MPPT channels/Strings per MPPT channel	4/2
Max. Input Current	40/40/40/40A
GENERAL SPECIFICATIONS	
On/Off-Grid Switching Time	< 20ms
Cooling Method	Air Cooling
Operating Temperature Range	-25 ~ 55 °C (>45°C derating)
Relative Humidity	0 ~ 95% (Non-condensation)
Operating Altitude	≤4000m (>2000m derating)
Ingress Protection	IP54
Dimension (W×D×H)	1270×1340×2094mm
Weight	≈1.8T
Certifications	EN 50549-1, EN 50549-10, VDE-AR-N 4105, NRS 097-2-1, IEC 61000, IEC 62477, IEC 62619, IEC62109, UN 38.3