



OES

Optimal Energy Solutions

"Blade III"

Ultimate Cooling BESS Container

- GESS-3461K-325
- GESS-5160K-350



Scan Me

Global
Certifications



UN38.3



IEC62619



IEC63056



IEC62477-1



UL1973



UL9540A



GB/T-36276

GRID-SIDE ESS

GESS-3461K-325



GESS-5160K-350



CELLS

Cell Capacity	325Ah	350 Ah
Cycle life	a9000 cycles @70%EOL	>8000 cycles @70%EOL

SYSTEMS

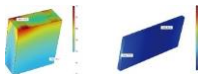
System Configuration	1P416S*8	1P384S*12
Nameplate Energy	3461kWh	5160kWh
Rated Output Voltage	1331.2V DC	1228.8V DC
Nominal charge/discharge ratio	<0.5P	TO.5P
Protection Degree	IP55	IP55
Weight	34t	43t
Anti-corrosion, dirt level	C4. Level II	C4/C5 Level II
System Dimensions (H*W*D)	6058*2896*2438 mm	6058*3300*2438m m
System noise	<75dB 1m	a80dB @1m
Temperature range	-30°C-45°C	-30°C-55°C
Humidity range	5-95%, non-condensing	0-100%, non-condensing
Cooling Method	liquid cooling	liquid cooling
Communication Protocol	CAN LAN	CAN LAN

KEY ADVANTAGES

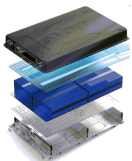


Best battery cell for BESS - Thermal composite Blade battery cells

Thanks to the combination of unique “high-speed 3.0 Stacking technology” of SVOLT and short blade cell design, the consistency, heat dissipation and other safety feature have been greatly improved.



Compared to traditional VDA cells, the temperature rise reduced by 25%



Best Battery pack for BESS - upper and lower double-layer liquid cooling System

A revolutionary upgrade of thermal management system on pack level! Thanks to the double layer cooling design, the thermal diffusion is effectively suppressed, which lead to an visibly extended of product lifetime.

Cooling area increased by 100%
Product lifetime increased by 150%



Built-in “SVOLT Cloud” big data management System

“Milliseconds” synergy, to realize the escort of the whole life cycle of the battery, and has already monitored more than 10GWh of energy storage systems.

Early warning accuracy > 99%

High Reliability

1. Over 9,000 extreme cycles for short blade cell
2. Pack level double-layer liquid cooling design, extreme cooling performance

Highly integrated

1. fire protection, 3S system integration connectivity emergency stop protection design
2. electrical and battery separation design
3. layered multi-level protection electrical design

High energy efficiency

1. System RTE a 95%
2. advance liquid cooling reduced energy consumption by 25%

Highly balanced

1. Temperature difference between battery cells <3°C
2. Intelligent dynamic loop system to control the temperature and humidity of the internal environment

