

GSL ENERGY

Much More Than Grade A

high-voltage battery system

Air-Cooling Commercial ESS

HV51100 5.12kWh Module

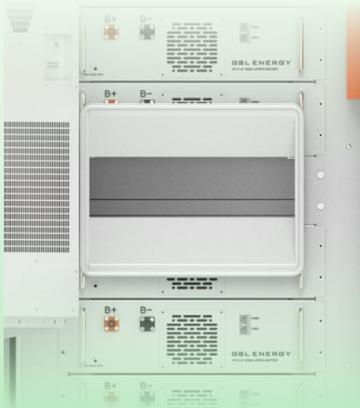
BESS-R40K-R / BESS-R60K-R

 UL1973  UL9540

 UL9540A  IEC62619



**Built-in Air Duct Design,
Intelligent Constant
Temperature Control**



***Easily Installation
and Flexible
Deployment***



***6,500 Times of
Long cycle Life***



***Comprehensive
Safety Protection***



***IP54 Ingress
Rating***



Farms



Hotels

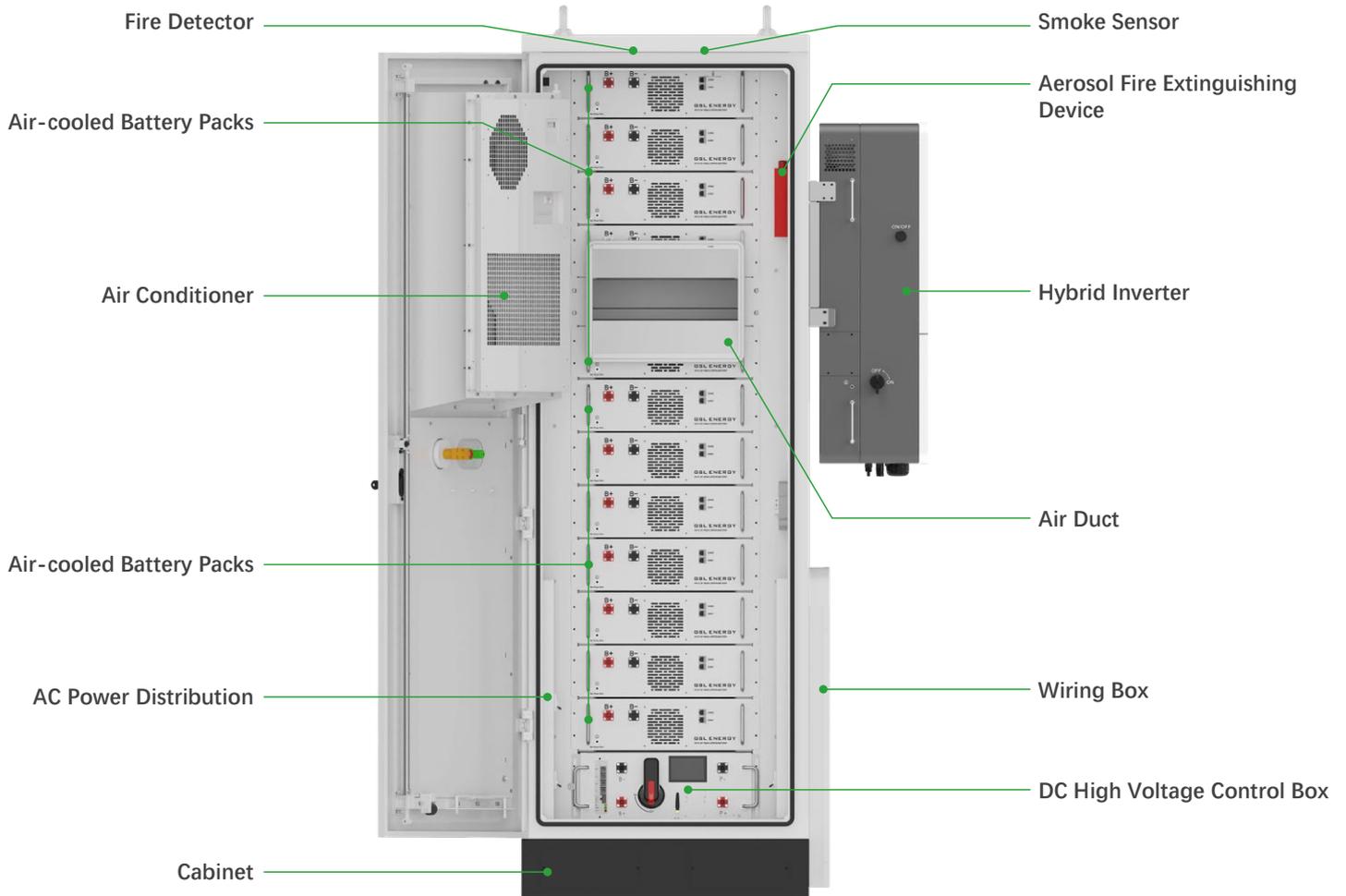


Convenience Stores
at Gas Stations



Small Factories

System Structure



Technical Specifications

Model	BESS-R40K-R	BESS-R60K-R
System Technical Specifications		
Nominal Energy	40.96 kWh	61.44 kWh
Nominal DC Voltage	409.6 V	614.4 V
Number of Battery Pack	8	12
Dimensions (W x D x H) (no contain inverter)	735*1125*2220mm	
Weight (no contain inverter)	612.8kgs	780.8kgs
Enclosure Rating	IP55	
Cooling Method	Intelligent Air-cooled Air conditioner	
Communication Port	Wi-Fi & LAN Hardware Included	
Warranty	10 Years	
Certification (Battery)	UL 1973, UL9540, UL9540A, IEC62109, UN38.3, MSDS	
Certification (Inverter)	UL1741,FCC Part 15B,UL1547,UL1998,UL1699B,HECO SRD 2.0,CEC efficiency	

Battery Model	GSL-51-100	
Battery Chemistry	LiFePO4	
Battery Energy	5.12 kWh	
Battery Nominal Voltage	51.2 V	
Battery Capacity	100 Ah	
Max. Battery Charge / Discharge Current	100 A	
Operating Temperature Range	Charge: 0 ~ 55°C / Discharge: -20°C ~ 55°C	
Cycle Life	≥6500 (@25°C±2°C,0.5C/0.5C,70%EOL)	

Inverter Model	GSL-HH30K-P3-US	GSL-HH60K-P3-US
Battery		
Battery Chemistry	Lithium/Lead-acid	
Battery Voltage Range	150 ~ 700 V	300 ~ 800 V
Rated Battery Voltage	150 A	300 A
Max. Charge Current	2*100 A	
Max. Discharge Current	2*100 A	
Reverse Connect Protection	YES	

Inverter Input/Output (GRID)		
Rated Power (Input/Output)	60/30 kW	120/60 kW
Rated Voltage	120/208 Va.c.,3W+N+PE	460/480 Va.c.,3W+N+PE
Rated Frequency	50/60 Hz	
Power Factor Range	0.8 leading~0.8lagging	
Switch Time	<20 ms	
Max. Continuous Current (Input/Output)	166.6/83.3 A	150.6/75.3 A
Max. Output Overcurrent Protection	124.9 A	108.3 A

PV Input		
No. of MPPT Tracker/Strings	4/2+2+2+2	
Max. PV Input Power	60 kW	100 kW
Max. DC Voltage	1,000 V	
MPPT Voltage Range	150~850 V	
Start-up Voltage	200V	
Max. Input Current/sring	8*20A	
Isc PV (Absolute Maximum)/sring	8*30A	

AC Output (EPS)/Generator		
EPS Rated Output Voltage	120/208 Va.c.,3W+N+PE	460/480 Va.c.,3W+N+PE
EPS Rated Output Frequency	50 / 60 Hz	
EPS Rated Output Active Power	30 kW	60 kW
EPS Rated Output Apparent Power	30 kVA	60 kVA
EPS Rated Output Current	83.3 A	72.2 A
Overload Capacity (Off Grid)	110%30s/ 120% 10s/ 150%0.2s	
Parallel Function	Yes, up to 6pcs	

If the size and parameters of the product are changed, the latest information will prevail without further notice.