

GSL ENERGY

Much More Than Grade A

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Indoor&Outdoor
Installation

Modular high-voltage battery system

Residential & Commercial ESS

GSL-HV51100 5.12kWh Module

BESS-R20K-R ~ BESS-R60K-R



UL1973



UL9540



UL9540A



>6500
Cycles

10 years
Warranty

20kWh ~ 60kWh
Flexible Expansion

32 units
Parallel connection



Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life



Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power



Convenient

Quick installation standard of 19 inch embedded designed module is comfortable for installation and maintenance



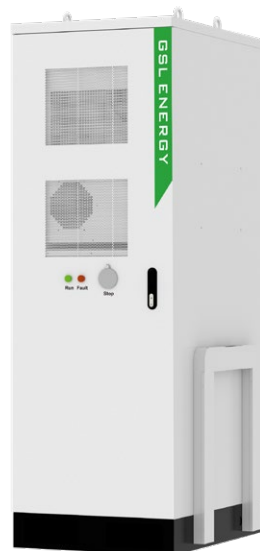
Intelligent BMS

protection functions including over discharge, over charge, over current and over high or low temperature

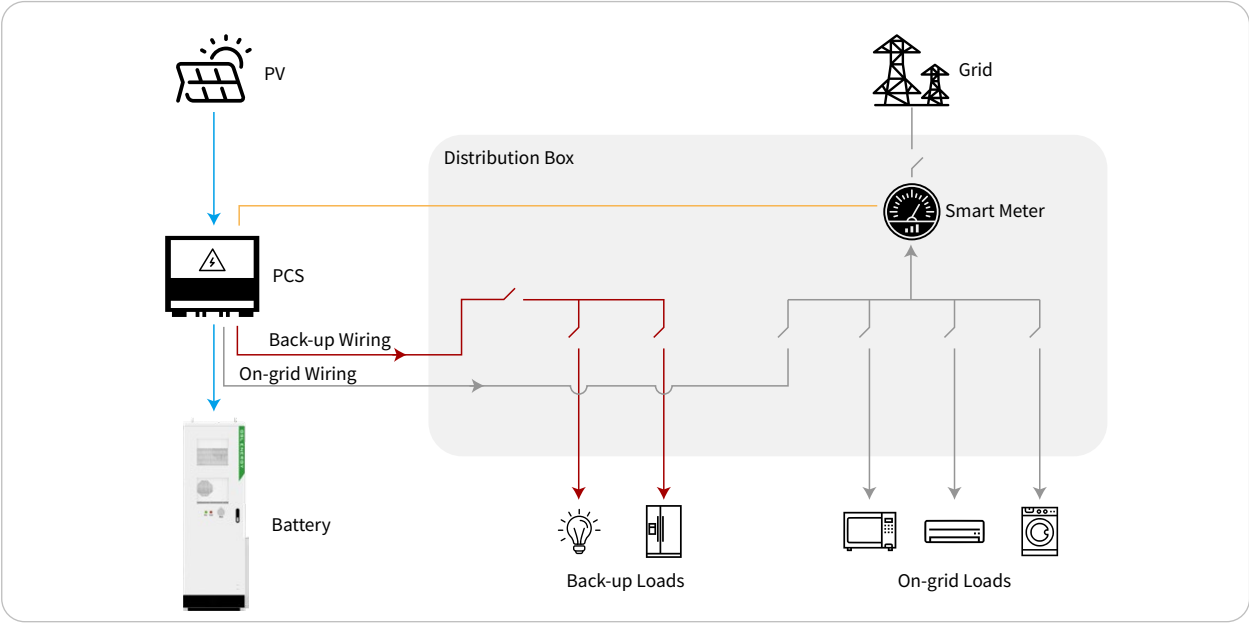


Applications

Residential energy storage
Commercial and industrial energy management
Emergency power backup
Off-grid power solutions
Renewable energy integration



Datasheet



Model	BESS-R20K-R	BESS-R25K-R	BESS-R30K-R	BESS-R35K-R	BESS-R40K-R	BESS-R45K-R	BESS-R50K-R	BESS-R55K-R	BESS-R60K-R
Nominal Capacity (kWh)	20.48	25.60	30.72	35.84	40.96	46.08	51.20	56.32	61.44
Cell Matching	64S1P	80S1P	96S1P	112S1P	128S1P	144S1P	160S1P	176S1P	192S1P
Nominal Voltage (V)	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4
Working Voltage Range (V)	179.2-230.4	224-288	268.8-345.6	313.6-403.2	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2
Weight (kg)	444.8	486.8	528.8	570.8	612.8	654.8	696.8	738.8	780.8
Dimension (WxDxH mm)	735*1125*2220mm								
Battery Type	LFP(LiFePO4)								
Nominal Working Current	100A								
Communication Port	CAN//TCP/IP								
Working Temperature Range	Charge:0-55°C/Discharge:-20-60°C								
Waterproof	IP55								
Installation Method	Floor-standing								
Cycle Life	6500								
Warranty Period	10 years								
Peak Charge/Discharge Current (@25°C,5S)	125A								
Discharge Rate of Module	≤3.5%/month/@25°C								
Parallel Connection	32 units in parallel								

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