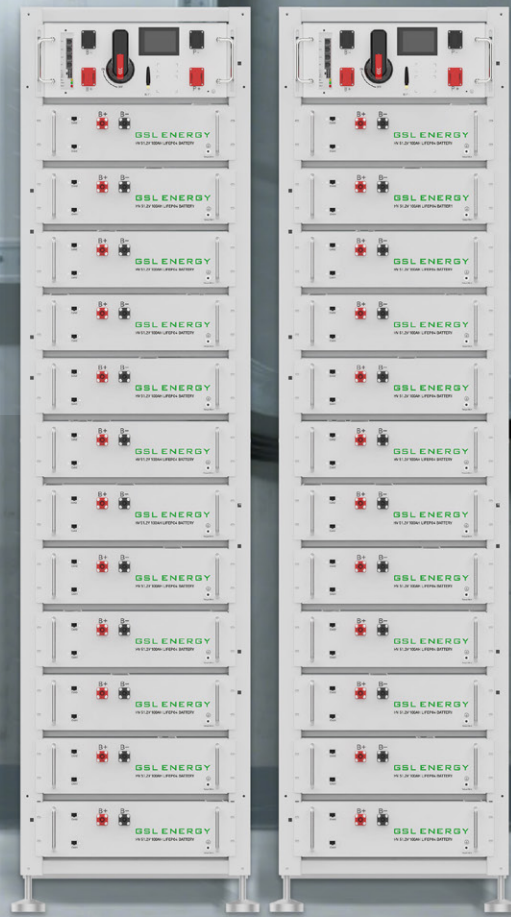


Modular high-voltage battery system

# Residential & Commercial ESS

**GSL-HV51100 5.12kWh Module**

R20/ R25/ R30/ R35/ R40/ R45/ R50/ R60K



**>6500**  
Cycles

**10 years**  
Warranty

**20kWh ~ 60kWh**  
Flexible Expansion

**5 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

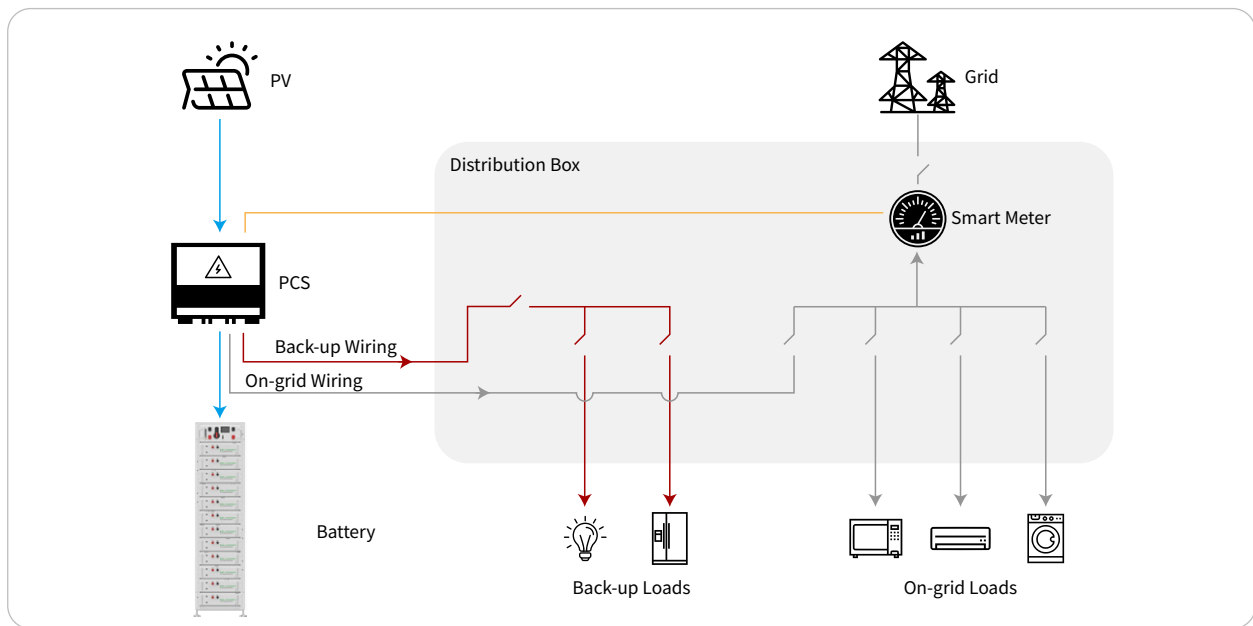


20kWh

40kWh

60kWh

# Datasheet



Model	GSL-R20K	GSL-R25K	GSL-R30K	GSL-R35K	GSL-R40K	GSL-R45K	GSL-R50K	GSL-R55K	GSL-R60K
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)	201.4	268	309.6	351.2	392.8	434.4	499	540.6	582.2
Dimension (WxDxH mm)	553*503 *1011	553*503 *1620	553*503 *1620	553*503 *1620	553*503 *1620	553*503 *2230	553*503 *2230	553*503 *2230	553*503 *2230
Number of Battery Modules	4	5	6	7	8	9	10	11	12
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	IP20								
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	5 units in parallel								

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