

Modular high-voltage battery system

Residential & Commercial ESS

HV51314 16.08kWh Module

GSL-R128K/ R144K/ R160K/ R176K/ R192K/
R209K / R225K/ R241K



>8500
Cycles

10 years
Warranty

120kWh ~ 241kWh
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

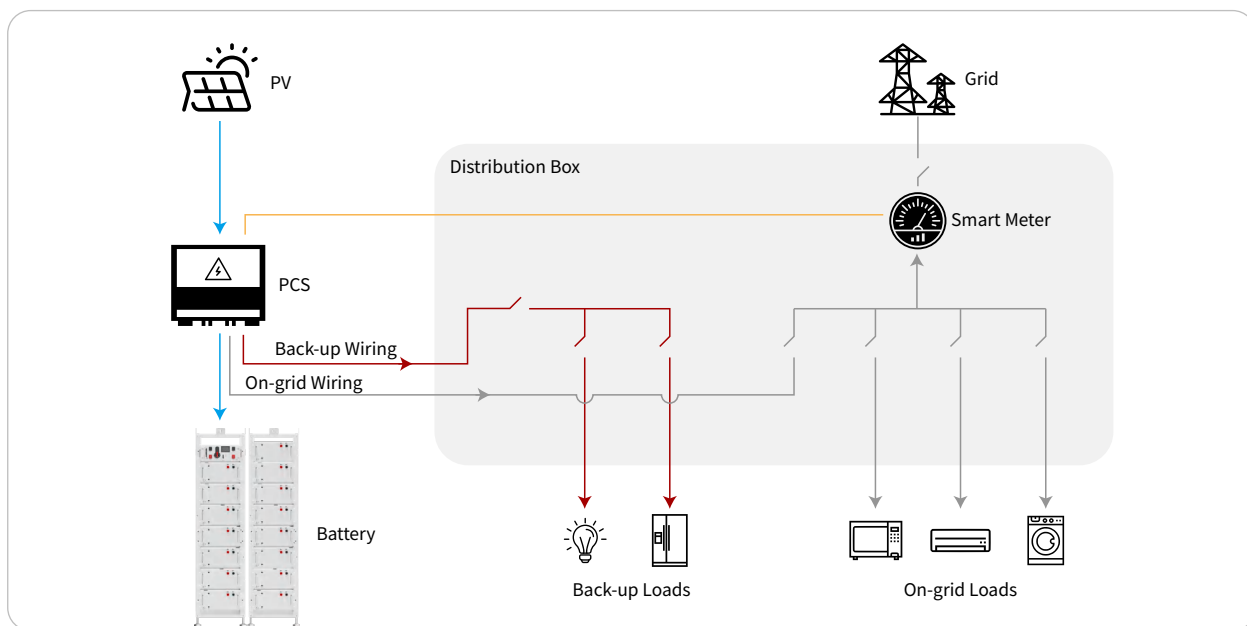


Applications

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



Datasheet



Model	GSL-R128K	GSL-R144K	GSL-R160K	GSL-R176K	GSL-R192K	GSL-R209K	GSL-R225K	GSL-R241K
Nominal Capacity (kWh)	128.61	144.69	160.76	176.84	192.92	208.99	225.07	241.15
Cell Matching	128S1P	144S1P	160S1P	176S1P	192S1P	208S1P	224S1P	240S1P
Nominal Voltage (V)	409.6	460.8	512	563.2	614.4	665.6	716.8	768
Working Voltage Range (V)	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2	598-728	627.2-784	672-840
Weight (kg)	1245	1358	1470	1583	1744.5	1974.5	2204.5	2434.5
Number of Battery Modules	8	9	10	11	12	13	14	15
Dimension (WxDxH mm)	1200*1000*2500							
Battery Type	LFP(LiFePO4)							
Nominal Working Current	100A							
Communication Port	CAN/TCP/IP							
Working Temperature Range	Charge:0~55°C/Discharge:-20~55°C							
Waterproof	IP20							
Installation Method	Floor-standing							
Cycle Life	8500							
Warranty Period	10 years							
Peak Charge/Discharge Current (@25°C,5S)	200A							
Discharge Rate of Module	≤ 3.5%/month/@25°C							
Parallel Connection	5 units in parallel							