

# High Voltage Rechargeable Lithium ION Battery



## Flexible Expansion

Up to 12 clusters in parallel, with a capacity of 15KWh~737KWh

## Easy Installation

Wiring-free rackless stacking with plug-AND-play design enables SINGLE-cluster installation in 30 min

## Rapid Charging & Discharging

Max. charging current 100A, peakcurrent 125A

## Universal Compatibility

Suitable for grid frequency regulation, charging stations, and other scenarios, enabling cost savings

## Safety Protection

IP21, intelligent fire extinguishing system detects and extinguishes fires within 5s

## Specification

Model	GS-HV-5.1K							
General Specification								
Capacity(Ah)	153.6V100Ah	153.6V100Ah	358.4V100Ah	409.6V100Ah	460.8V100Ah	512V100Ah	563.2V100Ah	614.3V100Ah
Number of layers	3	6	7	8	9	10	11	12
Energy(kWh)	15.36	30.72	35.84	40.96	46.08	51.2	56.32	61.44
Operating voltage range(V)	133.8~172.8	267.6~345.6	312.2~403.2	356.8~460.8	401.4~518.4	446~576	492.8~633.6	537.6~691.2
Dimension(L*W*H)(mm)	590×390×632	590×390×1031	590×390×1164	590×390×1297	590×390×1430	590×390×1563	590×390×1696	590×390×1829
Weight(kg)	163	304	351	398	445	492	539	586
Recommend charge current(A)	50							
Max continue charge current(A)	100							
Max continue discharge current(A)	100							
Peakcurrent	125A(1.25C)							
Communication	Support RS485/CAN							
Maximum parallel support	12 clusters( 3 to 12 units per cluster)							
Charging temperature(°C)	0~55							
Discharge temperature(°C)	-20~55							
Environment	Indoor							
Cooling	Forcedwind cooling							
Celltechnology	Lithium-ironphosphate(LiFeP04)							
Protection rating	IP 21							
Lifecycle	≥8000cycles/10Years Testconditions:0.2CCharging/Discharging,@25°C,95%DOD							
Certificates	CB,IEC62619,CE-EMC,CE-GPDS,En62040,UN38.3,MSDS							
BDU Technical Specification								
Maximum voltage(V)	900							
Maximum charge/discharge current(A)	100							
Dimensions(mm)	590×390×133							
Weight(kg)	15.3							
Pack Technical Specification								
Cut-off voltage(V)	57.6							
Maximum charge/discharge current(A)	100							
Dimensions(mm)	590×390×233							
Weight(kg)	47							