

GSHV-61.4K-STF

Features

- Up to 12 clusters in parallel, with a capacity of 15kWh~921kWh
- Intelligent fire extinguishing system detects and extinguishes fires within 5s
- Suitable for grid frequency regulation, charging stations, and other scenarios, enabling cost savings
- Wiring-free rackless stacking with plug-and-play design enables single-cluster installation in 30 min
- Rackless design reduces transport space by 50%+ and shipping costs by 50%.
- Built-in air duct design enables faster cooling and minimizes foreign object intrusion.

GSHV-61.4K-STF Rechargeable lithium-ion battery



Specification

Model	GSHV-61.4K-STF						
Battery type	LiFePO4						
Module voltage/capacity	51.2V/100Ah						
Single module weight	PACK:47Kg BDU:22kg						
Number of Strings per Cluster	3~12						
Capacity	153.6V100Ah	358.4V100Ah	409.6V100Ah	460.8V100Ah	512V100Ah	563.2V100Ah	614.3V100Ah
Number of layers	3 layers	7 layers	8 layers	9 layers	10 layers	11 layers	12 layers
Energy	15.36 kWh	35.84 kWh	40.96 kWh	46.08 kWh	51.2 kWh	56.32 kWh	61.44 kWh
Operating voltage range	133.8V~172.8V	312.2V~403.2V	356.8V~460.8V	401.4V~518.4V	446V~576V	490.6V~633.6V	535.2V~691.2V
Dimension (L*W*H)mm	590*390*632	590*390*1164	590*390*1297	590*390*1430	590*390*1563	590*390*1696	590*390*1829
Weight(kg)	163.0	351.0	398.0	445.0	492.0	539.0	586.0
Recommended charge/discharge current	50A (0.5C)						
Max.charge/discharge current	100A (1C)						
Peak discharge current(2 min 25°C)	125A (1.25C)						
Depth of discharge	95%						
Communication	CAN/RS485						
Cycle life	≥8000 cycles / 10 years						
Single cluster dimension[W*D*H](mm)	590*390* (233+133*n) , "n" stands for the number of battery modules						
Charging temp. range	0°C~55°C						
Discharging temp. range	-20°C~55°C						
Protection level	IP20						
Fire protection system	Aerosol fire extinguisher						
Installation method	Stack type						
Cooling method	Forced wind cooling						
WiFi module	Built-in WiFi module;APP OTA function						
Certification & Safety standard	CE-EMC/CE-RED/62619/63056/62477/62040/UN38.3						
Compatible inverters	VEICHI/Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/Hoymiles ect.						