

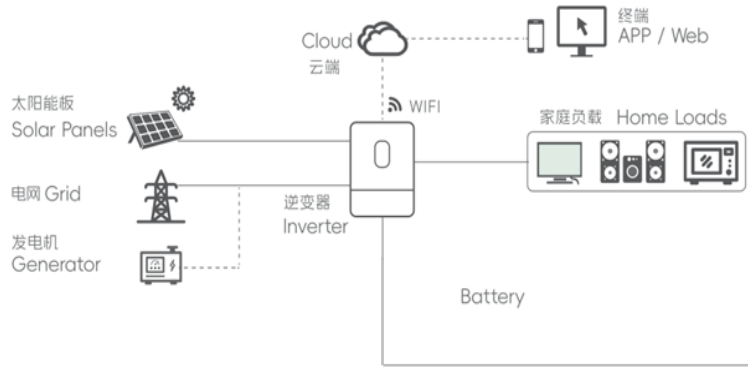
H2G S5~S20-G1

Datasheet

- **High security**
 - High safety Polyanion ion battery; UL9540A
 - Three security protection Settings;
 - IP65 protection level, the connectors are IP67 pluggable
 - Support VDE-AR-2510-50, IEC 60730, ISO 13849, IEC 62619, IEC 63056, CE, etc. certification
- **High intelligence**
 - Intelligent BMS integrated design, adaptive to different application conditions;
 - App interface providing remote access and performance data
- **Highly adaptable to the environment**
 - Stable operation from -30°C to 60°C
- **Sustainable Technology**
 - 100% Recyclable
 - Low carbon footprint (no mined Li, Co Ni)
- **Aesthetic Design**
 - The cabinet is clean and tidy with indicator lights
- **Flexible expansion**
 - Stackable mounted, Up to 8 in parallel
 - Plug and play hand in hand



Application:



Model	VK Na5150
Module Data	
Cell Type	Polyanion Sodium ion
Energy	2565Wh
Capacity	50Ah
Nominal Voltage	51.3V
Cell configuration	1P18S
Max. Charging/discharging current	100A
Dimension	~690*395*172mm
Weight	~47.5kg
Altitude	≤2000m
IP rating	IP65
Optimum operating temperature	15~30°C
Charge operating temperature	0~55°C
Discharge operating temperature	-30~60°C
Heat dissipation	Natural
Humidity	≤90%RH
Cycle life	≥6000 cycles @ 0.5C, 90% DOD, 80% SOH ≥8000 cycles @ 0.25C, 90% DOD, 70% SOH
System Data	
Scalability	Up to 8 packs in parallel
Display	LCD
Max. Charging/Discharging current	Generation 1: 250A; Generation 2: 350A
Color	Black and White (customizable)
Communication	CAN or RS485
Typical Protection function	
Battery internal resistance anomaly early warning	Yes
Battery over charged /discharged protection	Yes
Battery short circuit protection	Yes
Battery over circuit protection	Yes
Battery reverse polarity protection	Yes
Battery over temperature protection	Yes
Battery low temperature protection	Yes