

risen

Hifz Series 5kWh Stackable Battery Pack

SH5KFL



Modular Construction

Seamless scalability and
component replacement



Flexible Deployment

Wall-mount or floor-standing
indoor/outdoor installation



Safety Assurance

Certified protection against
overcharge/over-discharge



Long Service Life

Industrial-grade cells with
long-term design lifespan



Smart BMS

Real-time voltage/temperature
monitoring and balancing



Parallel Expansion

Combine units for amplified
energy reserves



Technical Specification

Model	SH5KFL
General Parameters	
Nominal Voltage	51.2V
Battery Voltage Range	43.2-57.6V
Nominal Capacity	100Ah
Rated Energy ^[1]	5.12kWh
Max. Power Output	5120W
Depth of Discharge (DOD)	90%
Cell Type	LiFePo4
Max. Charge Current	1C@25°C
Max. Discharge Current	1C@25°C
Communication	CAN/RS485
Self-Discharge	≤3%/ month
Protection	Over- & Under-Voltage / Over-Current / Short-Circuit / High- & Low-Temperature Protection, etc.
System Parameters	
IP Rating	IP20
Cooling	Natural
Cycle Life	6000 Cycle (25±2°C, 70% EOL)
Operating Environment	
Charge Temperature Range	0°C~55°C
Discharge Temperature Range	-20°C~55°C
Working Humidity	5~95% RH
Altitude	0~4000m(Derating over 2000m)
Warranty	5 years

【1】 Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.