

Hifz Series 5kWh Stackable Battery Pack

SH5KFL



Modular Construction

Seamless scalability and component replacement



Flexible Deployment

Wall-mounted and parallel-ready for flexible expansion and space-saving



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



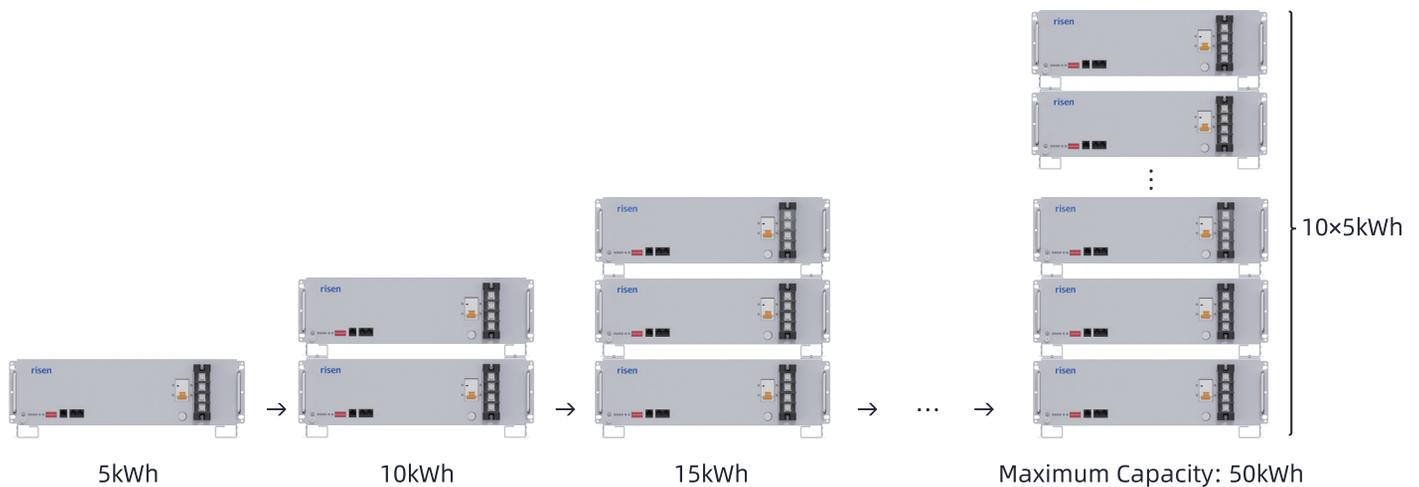
Parallel Expansion

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	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	IP21
Cooling	Natural
Cycle Life	6000 Cycle (25±2°C, 70% EOL)
Packaged / Bare Unit Dimensions (W*H*D)	515*210*490mm / 482*133*434mm
Gross / Net Weight	43kg / 40kg
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



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