

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

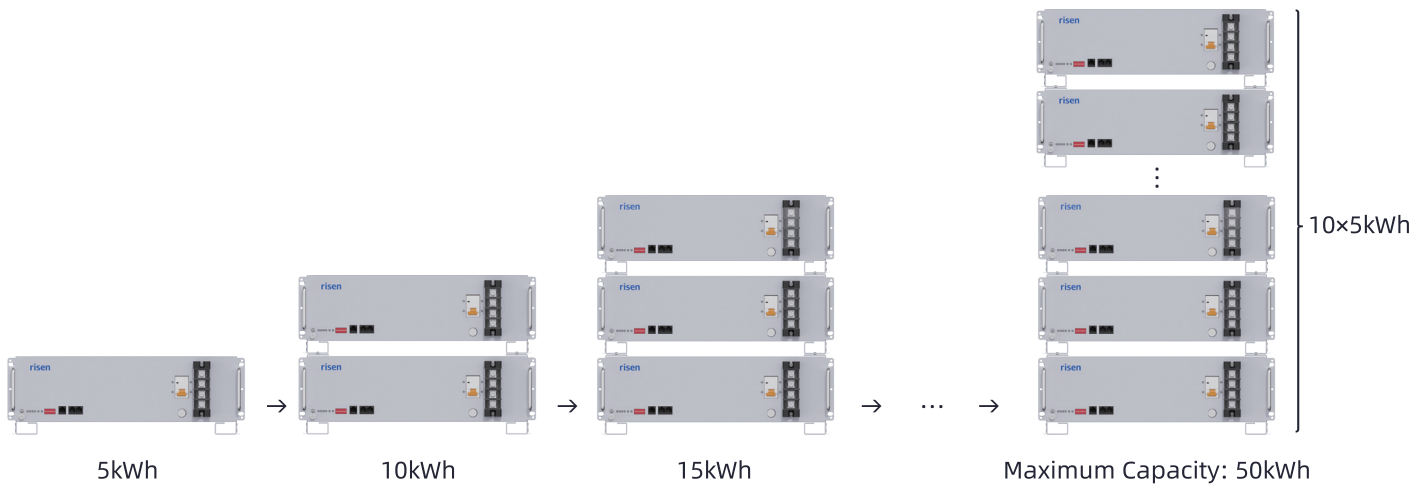
Combine units for amplified  
energy reserves



# Technical Specification

|                             |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| Model                       | SH5KFL                                                                                          |
| General Parameters          |                                                                                                 |
| Nominal Voltage             | 51.2V                                                                                           |
| Battery Voltage Range       | 43.2-57.6V                                                                                      |
| Nominal Capacity            | 100Ah                                                                                           |
| Rated Energy <sup>[1]</sup> | 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)                                                                    |
| Packaging Size              | 515*490*210mm                                                                                   |
| Package Weight              | 43kg                                                                                            |
| 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.



## SYL(Ningbo)Battery Co.,Ltd.