

# Harmony

Residential Energy Storage



H: 500mm  
W: 660mm  
D: 180mm

Weight: 50kg



## Simple. Compact. Safe.

- Modular design easily expandable up to 8 modules (41 kWh)
- Automatic fire protection system
- Works at -15°C
- Seamless connection between modules



## HAIKAI Harmony Technical Specifications

<b>Models:</b>	100 Ah
Battery Capacity:	5.12 kWh
Usable Capacity:	4.60 kWh
Depth of Discharge:	90%
Rated Voltage:	51.20 V
Operating Voltage Range:	48 V - 57 V (90% DoD)
Internal Resistance:	≤ 30 mΩ (100 Ah)
Cycle Life:	6000 Cycles (80% DoD)
Warranty:	10 Years Product Warranty
Protection Level:	IP65

### Operating Mode

Max. Charging:	50 A (0.5 C)
Max. Discharge:	100 A (1 C)
Max. Short Circuit:	200 A
Working Temp.:	- 10 °C - 50 °C
Humidity:	≤ 90 % ROH, No Condensation

### Battery Management System

Module Connection:	1 - 8 Parallel
Capacity:	5.12 - 40.96 kWh Increments of 5.12 kWh
Usable Capacity:	4.61 - 36.86 kWh Increments of 4.61 kWh
Energy Consumption:	< 2 W (Work mode) , < 50 mW (Sleep mode)
Monitoring Parameters:	System voltage, Cell voltage and temperature, Current, PCBA temperature
Comm. Interface:	Compatible with CAN and RS-485

### Certifications

Battery:	UL1642, IEC62619, IEC62133, UN38.3
System:	CE, UN38.3