

HAI+KAI Harmony

Residential Energy Storage



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

Weight: 50kg



Simple.
Compact.
Safe.

- Modular design easily expandable up to 8 modules
- Seamless connection between modules
- Automatic fire suppression system
- Works at -15°C
- IP65 protection LCD screen





HAIKAI Harmony

Technical Specifications

Models:	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:	$\leq 30 \text{ m}\Omega$ (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:	$\leq 90 \%$ 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:	$< 2 \text{ W}$ (Work mode) , $< 50 \text{ mW}$ (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