



An integrated service provider across the entire photovoltaic and energy storage value chain

Residential: Solar energy storage solutions

Commercial: Backup power for retail shops and small factories

Broad scope: Supports various specifications (12V–48V) and adapts to diverse power requirements (ranging from low-capacity residential to high-capacity commercial needs)

Lead-acid to Lithium

Application



Consumer Electronics

Electric Vehicles

Energy Storage Systems

Industrial Equipment

Medical Devices

Emerging Applications

Feature

High energy density (1280 - 7680Wh)

Eco-friendly LiFePO₄, no heavy metals

≥6000 cycles (vs 300 - 500 for lead-acid)

40% lighter than lead-acid (10 - 45kg)

≤2% monthly self-discharge, no memory effect

High discharge current (50 - 150A max)

Safe LiFePO₄ chemistry

Wide temperature range: -20°C to +60°C

IP65 rated ABS casing

Model Code	HAILI-QL-12.8V100AH (1280WH)	HAILI-QL-12.8V150AH (1920WH)	HAILI-QL-12.8V200AH (2560WH)	HAILI-QL-25.6V100AH (2560WH)	HAILI-QL-25.6V200AH (5120WH)	HAILI-QL-25.6V300AH (7680WH)
Nominal Voltage (V)	12.8			25.6		
Nominal Capacity (Ah)	100	150	200	100	200	300
Nominal Energy (Wh)	1280	1920	2560	2560	5120	7680
Combination Method	4S1P(3. 2V100AH CELLS)	4S1P(3. 2V150AH CELLS)	4S1P(3. 2V200AH CELLS)	8S1P(3. 2V100AH CELLS)	8S1P(3. 2V200AH CELLS)	8S1P(3. 2V300AH CELLS)
Cycle Life	≥6000 cycles					
Recommended Charging Voltage (V)	14.6			29.2		
Recommended Charging Current (A)	10 ~20 (0. 1C ~0. 2C)	15 ~ 30 (0. 1C ~0. 2C)	20 ~40 (0. 1C ~0. 2C)	10 ~20 (0. 1C ~0. 2C)	20 ~40 (0. 1C ~0. 2C)	30 ~60 (0. 1C ~0. 2C)
BMS Charge Cut-Off Voltage (V)	< 15.2 (0. 5 ~ 1. 5S)	< 15.2 (0. 5 ~ 1. 5S)	< 15.2 (0. 5 ~ 1. 5S)	<30 (0. 5 ~ 1. 5S)	<30 (0. 5 ~ 1. 5S)	<30 (0. 5 ~ 1. 5S)
Max. Charging Current (A)	50	60	100	50	100	150
Continuous Discharging Current (A)	10 ~20 (0. 1C ~0. 2C)	15 ~ 30 (0. 1C ~0. 2C)	20 ~40 (0. 1C ~0. 2C)	10 ~20 (0. 1C ~0. 2C)	20 ~40 (0. 1C ~0. 2C)	30 ~60 (0. 1C ~0. 2C)
Max Discharge Current (A)	50	60	100	50	100	150
BMS Discharge Cut-Off Current (A)	150 (5 ~ 15 MS)	180 (5 ~ 15 MS)	210 (5 ~ 15 MS)	60 (5 ~ 15 MS)	120 (5 ~ 15 MS)	180 (5 ~ 15 MS)
Discharge Cut-off Voltage (V)	10			20		
BMS Discharge Cut-Off Voltage (V)	>8.4 (50 ~ 150 MS)	>8.4 (50 ~ 150 MS)	>8.4 (50 ~ 150 MS)	> 16.8 (50 ~ 150 MS)	> 16.8 (50 ~ 150 MS)	> 16.8 (50 ~ 150 MS)
Charge Temperature (°C)	0 ~40					
Discharge Temperature (°C)	-20 ~60					
Storage Temperature (°C)	0 ~40					
IP Class	IP65					
Plastic Case	ABS					
Terminal Type	M8					
Dimension (mm)	330x172x210	483x170x241	522x240x225	483x170x241	525x240x220	635x244x221
Weight (kg ±3%)	10	15	21	20	40	45
Others (optional)	Anti-theft function, LCD display, WIFI					

Rack- Lithium

Application



Data Centers

Telecom & Base Stations

Industrial Automation

Renewable Energy Microgrids

Medical Facilities

Feature

Small size & light weight

Direct screen - to - inverter communication

Standard cycle service life: Over 5,000 cycles

Simple installation for easy operation & maintenance

Battery Manufacturer since 1998 03/04

Model Code	HAILI-RM-48V100AH (4800WH)	HAILI-RM-51. 2V100AH (5120WH)	HAILI-RM-48V200AH (9600WH)	HAILI-RM-51. 2V200AH (10240WH)
Nominal Voltage (V)	48	51.2	48	51.2
Nominal Capacity (Ah)	100		200	
Nominal Energy (Wh)	4800	5120	9600	10240
Combination Method	15S1P	16S1P	15S1P	16S1P
Cycle Life	≥6000 cycles			
Months Self Discharge	3%/Month			
Efficiency of Charge	≥97%			
Efficiency of Discharge	≥98%			
Recommended Charging Voltage (V)	54	57.6	54	57.6
Recommended Charging Current (A)	20		40	
Max. Charging Voltage (V)	54.75	58.4	54.75	58.4
Max. Charging Current (A)	100		200	
Recommended Discharging Current(A)	50		100	
Max. Pulse Current (A)	105		210	
Discharge Cut-off Voltage (V)	37.5	40	37.5	40
Charge Temperature (℃)	0 ~40			
Discharge Temperature (℃)	-20 ~ 60			
Storage Temperature (℃)	0 ~40			
IP Class	IP30			
Plastic Case	Metal			
Dimension (mm)	572x390x140	572x390x140	624x390x240	642x390x240
Weight (kg ±3%)	39	40	77	80
Others (optional)	Anti-theft function, LCD display, WIFI			

Stack Modular Lithium Battery

Application



Consumer Electronics

Energy Storage Systems

Industrial Equipment

Medical Devices

Emerging Applications

Feature

Suitable for various applications and environments.

Boasts a long lifespan ensuring reliability.

Incorporates a high-quality battery known for its safety and stable performance.

Features a simple plug-and-play setup.

No need for additional adjustments during installation.

Intuitive interface for easy operation.

Equipped with a sturdy casing offering protection.

Offers a range of capabilities to meet different needs.

Allows for remote monitoring and control via a mobile application.

Battery Manufacturer since 1998 05/06

Model Code	HAILI-SM-48V100AH (4800WH)	HAILI-SM-51.2V100AH (5120WH)	HAILI-SM-48V200AH (9600WH)	HAILI-SM-51.2V200AH (10240WH)
Nominal Voltage (V)	48	51.2	48	51.2
Nominal Capacity (Ah)	100		200	
Nominal Energy (Wh)	4800	5120	9600	10240
Combination Method	15S1P	16S1P	15S1P	16S1P
Cycle Life	≥6000 cycles			
Months Self Discharge	3%/Month			
Efficiency of Charge	≥97%			
Efficiency of Discharge	≥98%			
Recommended Charging Voltage (V)	54	57.6	54	57.6
Recommended Charging Current (A)	20			
Max. Charging Voltage (V)	54.75	58.4	54.75	58.4
Max. Charging Current (A)	100		200	
Recommended Discharging Current (A)	50		100	
Max. Pulse Current (A)	105		210	
Discharge Cut-off Voltage (V)	37.5	40	37.5	40
Charge Temperature (℃)	0 ~40			
Discharge Temperature (℃)	-20 ~ 60			
Storage Temperature (℃)	0 ~40			
IP Class	IP30			
Plastic Case	Metal			
Dimension (mm)	600x420x150	600x420x150	700x420x240	420x230x640
Weight (kg ±3%)	38	41	78	80
Others (optional)	Anti-theft function, LCD display, WIFI			

Wall-mounted Lithium Battery

Application



Home energy storage

- Commercial scenarios
- Industrial fields
- Off-grid scenarios
- Electric vehicle charging stations
- Power systems
- Flexible installation
- High-efficiency energy storage
- Safety and reliability
- Long service life
- Intelligent management
- Environmental friendliness

Model Code	HAILI-WM-48V100AH (4800WH)	HAILI-WM-51. 2V100AH (5120WH)	HAILI-WM-48V200AH (9600WH)	HAILI-WM-51. 2V200AH (10240WH)
Nominal Voltage (V)	48	51.2	48	51.2
Nominal Capacity (Ah)	100		200	
Nominal Energy (Wh)	4800	5120	9600	10240
Combination Method	15S1P	16S1P	15S1P	16S1P
Cycle Life	≥6000 cycles			
Months Self Discharge	3%/Month			
Efficiency of Charge	≥97%			
Efficiency of Discharge	≥98%			
Recommended Charging Voltage (V)	54	57.6	54	57.6
Recommended Charging Current (A)	20			
Max. Charging Voltage (V)	54.75	58.4	54.75	58.4
Max. Charging Current (A)	100		200	
Recommended Discharging Current (A)	50		100	
Max. Pulse Current (A)	105		210	
Discharge Cut-off Voltage (V)	37.5	40	37.5	40
Charge Temperature (℃)	0 ~40			
Discharge Temperature (℃)	-20 ~60			
IP Class	IP30			
Plastic Case	Metal			
Dimension (mm)	570x400x145	570x400x145	420x230x640	420x230x640
Weight (kg ±3%)	40	40	77	83
Others (optional)	Anti-theft function, LCD display, WIFI			

Floor standing Lithium Battery

Application



- Home Energy Storage
- Commercial and Industrial Energy Storage
- Outdoor Portable Power Stations
- Industrial Equipment
- Backup Power Supplies

Feature

- High Safety Performance
- Long Cycle Life
- Environmental Friendliness
- Good Scalability
- Relatively High Energy Density

Battery Manufacturer since 1998 09/10

Model Code	HAILI-FS-51. 2V280AH (14336WH)	HAILI-FS-51. 2V300AH (15360WH)	HAILI-FS-51. 2V314AH (16076WH)
Nominal Voltage (V)	51.2		
Nominal Capacity (Ah)	280	300	314
Nominal Energy (Wh)	14336	15360	16076
Combination Method	16S1P		
Cycle Life	≥6000 cycles		
Months Self Discharge	3%/Month		
Efficiency of Charge	≥97%		
Efficiency of Discharge	≥98%		
Recommended Charging Voltage (V)	57.6		
Recommended Charging Current (A)	56		
Max. Charging Voltage (V)	58.4		
Max. Charging Current (A)	200		
Recommended Discharging Current (A)	56		
Max. Pulse Current (A)	210		
Discharge Cut-off Voltage (V)	40		
Charge Temperature (℃)	0 ~40		
Discharge Temperature (℃)	-20 ~60		
Storage Temperature (℃)	0 ~40		
IP Class	IP30		
Communication Mode	CAN/RS485		
Dimension (mm) LxWxH	420x250x800		
Weight (kg ±3%)	110	115	123
Others (optional)	Anti-theft function, LCD display, WIFI		

High-voltage system

Application



Energy storage for households and small residences

Power supply for off-grid small residential scenarios

Emergency backup power for families

Peak-valley tariff arbitrage

Auxiliary power supply for small commercial premises

Feature

High-voltage design

Safety and reliability

Efficient energy storage

Intelligent management

Compact design

Environmental protection and energy efficiency

Strong expandability

Item	HZPL001- 215KWh
Cell Chemistry	LiFePO4
Battery Module	HZPL 51.2V280Ah
Battery Energy	215.04KWh
Nominal Voltage	768V
Nominal Capacity	280Ah
Maximum Charging Current	140A
Maximum Continuous Discharge Current	140A
Maximum Output Power	100KW
HV Controller	1sets
Dimension Lx DxH	2250x 1050 x2360mm
Weight	<3.0Ton
Installation	Standard 19" power cabine
Operating Voltage Range	672~871 .2
Cycle Life	6000 cycles at 80% DOD
Designed Life - span	10 years
Communication	RS485/CANbus/Ethernet/WiFi
Charging Temperature Range	0 - 50°C
Discharge Temperature Range	-20 - 60°C
Enclosure Protection	IP20
Humidity	≤ 85%
Altitude	≤ 2000m
Application	In door/Out door
Inverter Choosing	On/Off Grid 3 phases hybrid inverter
Heat Management	Air cooling

Container-type Energy Storage System



Model	10ft	20ft	40ft
Output Voltage (V)	380/400 ±15%		
Grid Frequency (Hz)	50/60(±2.5)		
Output Power (kW)	50~100	50~500	250~630
Battery Capacity (kWh)	50~400	200~1500	800~3000
Battery Type	LiFePO ₄ Battery		
Dimensions (D ×W ×H) mm	Internal: 2831 ×2352 ×2385	Internal: 2352 ×5898 ×2385	Internal: 2352 ×12032 ×2385
	External: 2438 ×2991 ×2591	External: 2438 ×6058 ×2591	External: 2438 ×12192 ×2591
Protection Rating	IP54		
Humidity Range (%RH)	0~95		
Altitude (m)	3000		
Operating Temperature (°C)	- 20~50		
Battery Voltage Range (V)	250~850		
Max. DC Current (A)	200	750	1500
Connection Type	3P4W		
Power Factor	- 1~1		
Communication	RS485, CAN, Ethernet		
Isolation Type	Power Frequency Isolation		

Application

Energy storage for industrial and commercial parks and factories
 Backup power supply for large commercial complexes
 New energy storage scenarios
 Power supply for off-grid industrial and commercial premises
 Power auxiliary services

Feature

Container-integrated design
 High safety level
 Large capacity and high power
 Intelligent operation and maintenance
 Strong environmental adaptability
 Flexible expansion
 Long cycle life
 Excellent compliance

