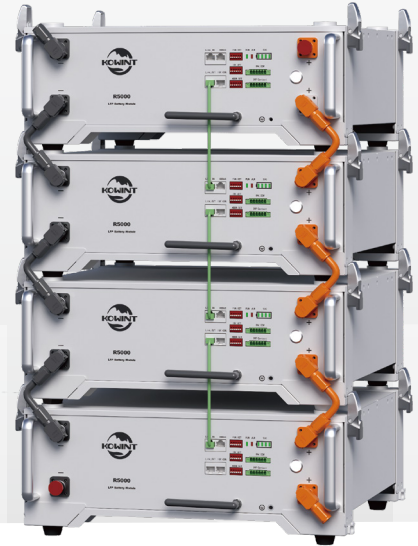


Rack-Mount LiFePO4 Battery ESS

R5000 Base

5.12 — 158.72kWh



HIGH PERFORMANCE

- >8000 Life cycles. [1]
- Max. 31 units in parallel.



SAFE AND RELIABLE

- Intelligent BMS ensures multi-level protection.
- Certified to UL1973, CE, UN38.3, IEC 62619 standards.



USER FRIENDLY SETUP

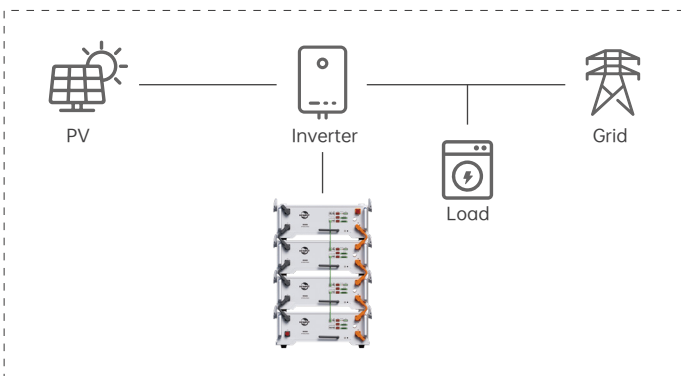
- Supports RS485 and CAN communication.
- Real-time monitoring via Cloud platform and App.



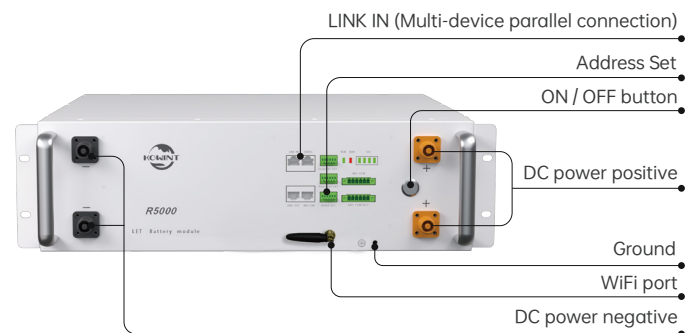
EASY INSTALLATION

- Modular design allows flexible system expansion.
- Compact rack-mount system for diverse applications.

System Layout



System Demonstration



● Product Specifications

Battery Parameters		Battery Parameters	
Nominal Energy(kWh)	5.12	Dimensio - W*D*H(mm/in)	440*420*132/17.3*16.5*5.2
Max. Continuous Charging / Discharging(A)	95	Net Weight (kg/lb)	~45/~99.2
Nominal Capacity(Ah)	100	Enclosure	IP20
Nominal Voltage(V)	51.2	Operating Temperature(°C)	Discharging -20 ~ 50, Charging 0 ~ 50
Recommend Charging Voltage(V)	56.8	Relative Humidity Range(RH)	Up to 95 %, non-condensing
Max. Charging Voltage(V)	58.4	Cooling	Natural Cooling
Discharge Cut-off Voltage(V)	43.2	Communication	CAN, RS485, WiFi
Cell Model	3.2V 100Ah	System Characteristics	
Combination Mode	1P16S	Certifications	UKCA, UL1973, CE, UN 38.3, IEC62619, CE UKCA CEC
Initial Internal Resistanc (mΩ)	<50	Emission	FCC Part 15 Class B
Standard Charging Current(A)	50	Surge Protection	DC Type II
Standard Discharging Current(A)	50	Warranty[2]	10 Years

● Packaging & Shipping Details

