

RENOPI 5.12KWH 51.2V 100AH LFP Battery Module

For On/Off Hybrid Solar Storage System

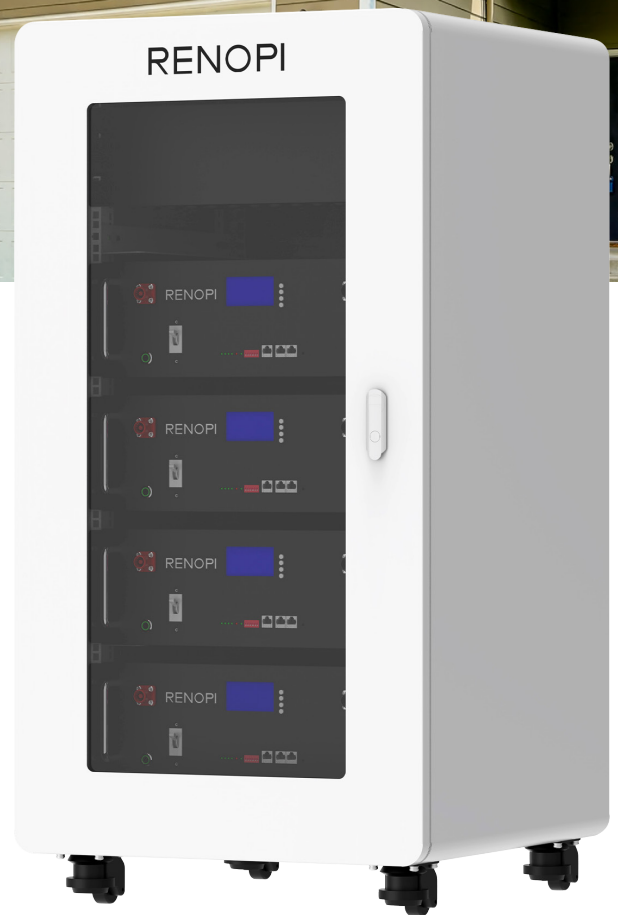


Standard 19 inch embedded module design is comfortable for installation and maintenance.

LiFePO₄ battery provide safety performance and long cycle life, low standby power consumption for up to 6 month without self-charging required.

Intelligent BMS protection including over-discharge, over-charge, over-current and over-high or low temperature. Automatically balance current and voltage of each battery.

Eco-friendly design, the overall material is non-toxic, non-polluting and environmentally friendly.



- ⚡ 5.12KWH Capacity
- ⚡ 19 Inch Module
- ⚡ Scalable 16 pcs
- ⚡ Easy Installation
- ⚡ CAN Communication



Intelligent
BMS



Easy
Installation



High
Efficiency



Expandable
System



DATASHEET

LFP Battery Module

RL-5K-U

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RENOPI MODEL

RL-5K-U

Battery Parameters

| | |
|------------------------------|---------------------------------|
| Voltage | 51.2V |
| Battery Cell | 100AH |
| Capacity | 5.12KWH |
| Scalability | Max.16pcs in parallel(81.92KWH) |
| Max Charge/Discharge Current | 80A |
| Peak Discharge Current | 100A(2mins,25°C) |
| Dimensions(LxWxH) | 482.6*155*460mm |
| Weight | 42.5KG |

Basic Parameters

| | |
|-------------------------------------|---------------------------------------------|
| Life Time(25°C) | 10 Years |
| Life Cycles(80% DOD,0.5C/0.5C,25°C) | ≥6500 Cycles |
| Operation temperature | Charge:0°C ~ 55°C Discharge:-20°C ~ 55°C |
| Storage temperature | 0°C ~ 35°C |
| IP Rating | IP20 |
| Humidity | 5%~95% |
| Altitude | ≤2000m |
| Installation | 19-inch standard cabinet with rack |
| Communication Port | CAN2.0, RS485 |
| Lithium Battery Standard | IEC62619,CE-EMC, UN38.3, MSDS |

Cabinet Parameters

| | |
|-------------------|----------------|
| Dimensions(LxWxH) | 1100*600*600mm |
| Weight | 60.5KG |
| IP Rating | IP65 |

Home Energy Storage Lithium Ion Battery Pack

