

## RENOPI 6KW inverter 7.8KW MPPT Battery Pack\*6 Max. 30.72KWH

High Efficiency On/Off Grid Inverter

Built-in dual PV MPPTs, High efficiency On/Off Grid Inverter, EMS, BMS, Standard with WIFI module & European server.

All-in-one design, Battery pack auto alignment, no cables required, Tool-free installation.


Battery pack maximum support 6 pcs, MAX capacity reach 30.72KWh, Stackable design for free combination.

Support PV ultra-wide voltage range input 100V-540V, MPPT maximum 7.8KW.

Fanless cooling system, 0dB mute design.

IP65 design, Suitable for all home installation environments.



-  All-in-one Design
-  On/off Grid Inverter
-  100V-540V MPPT
-  Easy Installation
-  APP Remote Monitoring



100V-540V  
7.8KW/MPPT



Battery Pack\*6  
MAX 30.72KWH



LiFePO<sub>4</sub>  
10-year Cycle Life



APP Remote  
Monitoring

# DATASHEET

## ALL-IN-ONE DESIGN

### RLA-6K

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#### RENOPI MODEL

#### RLA-4B/6K

##### AC Output

|                      |                        |
|----------------------|------------------------|
| Output Voltage       | 230V AC                |
| AC Voltage Range     | 184~276V AC            |
| Output Frequency     | 50Hz/60Hz; Auto Detect |
| Frequency Range      | 45~65Hz                |
| Maximum Frequency    | 65Hz                   |
| UPS Switching Time   | <20ms                  |
| Rated Output Current | 26.09A                 |
| Rated Output Power   | 6000VA                 |

##### Solar Input

|                              |              |
|------------------------------|--------------|
| Maximum Solar Output Voltage | 550V DC      |
| MPPT Range                   | 100V~540V DC |
| Maximum Solar Output Power   | 7.8KW        |
| Rated MPPT Voltage           | 360V DC      |
| Number of MPPTs              | 2            |

##### Battery Parameters

|  |                      |
|--|----------------------|
| Battery Type                           | LiFePO4              |
| Rated Capacity                         | 5120Wh; Max:5120Wh*6 |
| Maximum Charge Voltage                 | 58V                  |
| Minimum Discharge Voltage              | 42.0V                |
| Maximum Continuous Charging Current    | 100A                 |
| Maximum Continuous Discharging Current | 100A                 |

##### Inverter Output

|                      |         |
|----------------------|---------|
| Maximum Output Power | 6000VA  |
| Output Voltage       | 230V AC |
| Efficiency           | 97.8%   |
| Rated Output Current | 21.7A   |
| Output Frequency     | 50Hz    |
| THD(%)               | <3%     |

##### Operating Conditions

|                     |                          |
|---------------------|--------------------------|
| Ambient Temperature | -20°C~55°C               |
| IP Rating           | IP65                     |
| Humidity Range      | 5%~95% Relative Humidity |
| Altitude            | <3000m                   |

##### Installation Configurations

|                  |                    |
|------------------|--------------------|
| Dimensions       | 600 x 365 x 1521mm |
| Weight           | 243Kg              |
| Battery Capacity | 5120Wh x 4         |



600x365x831mm  
93kg  
5120wh



600x365x1061mm  
143kg  
5120wh\*2



600x365x1291mm  
193kg  
5120wh\*3



600x365x1521mm  
243kg  
5120wh\*4



600x365x1751mm  
293kg  
5120wh\*5



600x365x1981mm  
343kg  
5120wh\*6