

BATTERY-BOX (RK-CES)

Use safer lithium iron phosphate batteries(LiFePO4)

Integrated Intelligent Battery Management System (BMS):

- Prevent overcharge, over discharge, and high current inside the battery to ensure battery safety and reliability.
- Balance each battery to extend battery life.
- With RS485 and CAN communication interfaces,

it can meet the communication needs of different devices

With LCD display to display detailed battery parameters

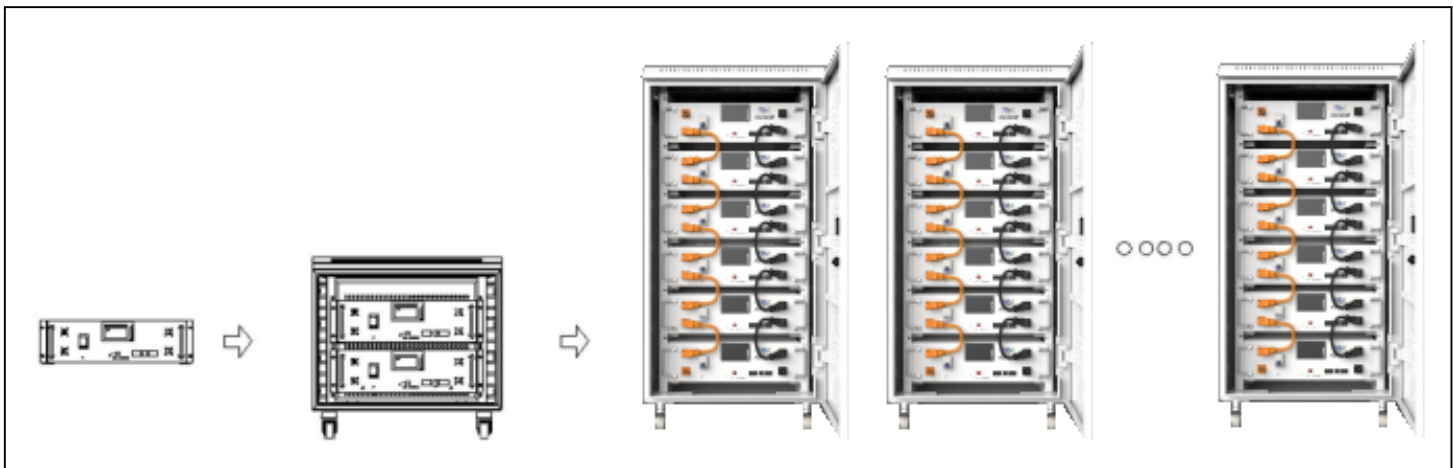
Compatible with most inverters on the market

Mainly used in home energy storage system,support OEM/ODM



FLEXIBLE, EFFICIENT, SIMPLE

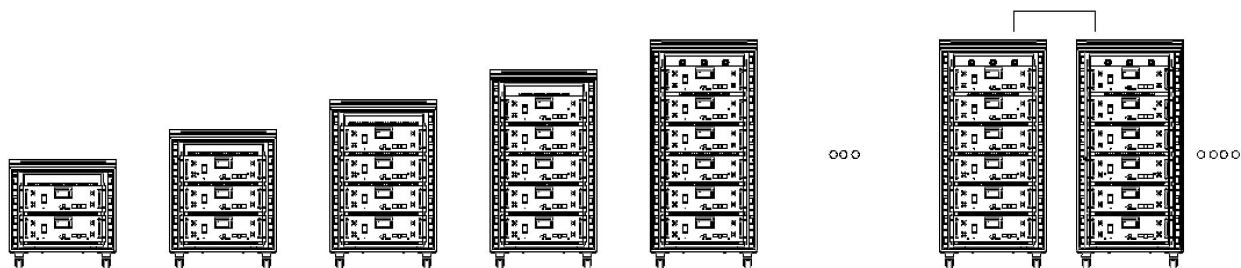
Easy Installation
With Easy Transportation



5.12kWh extend to 76.8 kWh

BATTERY-BOX (RK-CES-Scalability)

The Rongke Battery-Box is a lithium iron phosphate (LFP) battery for use with an external inverter. Thanks to its control and communication unit (BMU), requirements, no matter how large they may be. Start with Battery-Box 5.12kWh and extend later to 76.8 kWh using parallel interconnection of up to 15 batteries.



| | | | | | | | |
|---------------------------|-------------------------------------|---------------|---------------|----------------|----------------|-----|--------------------|
| Technical Data | 51.2V200Ah | 51.2V300Ah | 51.2V400Ah | 51.2V500Ah | 51.2V600Ah | ... | 51.2V1500Ah |
| Rated Energy (kWh) | 10.24 kWh | 15.36 kWh | 20.48 kWh | 25.6 kWh | 30.72 kWh | ... | 76.8 kWh |
| Number of Modules | 2 | 3 | 4 | 5 | 6 | ... | 15 |
| Cell Type | LFP (LiFePO ₄) | | | | | | |
| Cell Configuration | 16S1P(x2) | 16S1P(x3) | 16S1P(x4) | 16S1P(x5) | 16S1P(x6) | ... | 16S1P(x15) |
| Nominal Voltage (V) | 51.2V | | | | | | |
| Cycle Life | ≥6000 Cycles @0.3C/0.3C | | | | | | |
| Communication Port | RS485/CAN | | | | | | |
| Charge Voltage (V) | 57.6V | | | | | | |
| Charge Current (A) | 30A(Recommend) | | | | | | |
| Max Charge Current (A) | 50A | | | | | | |
| Peak Charge Current (A) | 100A | | | | | | |
| Charging Mode | Constant current / constant voltage | | | | | | |
| Discharge Cut-off Voltage | 46.4V | | | | | | |
| Discharge Current | 50A(Recommend) | | | | | | |
| Max Discharge Current | 100A | | | | | | |
| Charge Temperature | 0°C to 55°C, 32° F to 131° F | | | | | | |
| Discharge Temperature | -20°C to 60°C, -4° F to 140° F | | | | | | |
| Storage Temperature | 0°C to 40°C, 32° F to 104° F | | | | | | |
| Dimensions (H/W/D)mm | 600*600*573mm | 600*600*729mm | 600*600*885mm | 600*600*1042mm | 600*600*1198mm | ... | 600*600*1198mm(x3) |
| Pack weight | 126Kg | 178Kg | 230Kg | 282Kg | 334Kg | ... | 1002Kg |
| Protection Class | IP20 | | | | | | |
| Certificate | UN38.3/MSDS/CE | | | | | | |
| Warranty | 3~10 Years | | | | | | |