



PowerBase Series

Rack-Mounted LiFePO₄ Battery **5.12 kWh**

- Up to **16** Units

Flexible Capacity Expansion
- >6,000** Times

Cycle Life
- 10** Years

Warranty
- Support

Bluetooth Upgrades


-  **Advanced LiFePO₄ Technology**

New Grade A LFP Cells from REPT
-  **Intelligent BMS**

Intelligent Monitoring & Multiple Protections
-  **High Compatibility**

Compatible with Many Brands of Inverter Protocols
-  **Easy Installation**

Stackable with Flexible Brackets
-  **APP Support**

Remote Monitoring of Battery Status
-  **Wake-up Function**

Reactivate and Recharge Asleep Batteries

System Specification

Model	PowerBase R5
Electric Data	
Nominal Energy (kWh)	5.12
Usable Energy (kWh)	4.79
Depth Of Discharge (DoD)	95%
Cell Type	LFP (LiFePO ₄)
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	44.8 ~ 56.8
Max. Continuous Charge Current (A)	100
Max. Continuous Discharge Current (A)	100
Scalability	16
General Data	
Weight (kg / lbs.)	45 / 99.2
Dimensions (W × D × H) (mm / inch)	442 x 560 x 173 / 17.4 x 22.05 x 6.81
Operating Temperature (°C)	0~ 55°C (Charge) -20~55°C (Discharge)
Storage Temperature (°C) Delivery SOC State (20~40%)	>1 Month: 0~35°C, ≤1 Month: -20~45°C
Relative Humidity	≤ 95%
Altitude (m / ft)	4000 / 13,123 (>2,000 / >6,561.68 derating)
Enclosure Rating	IP20
Installation Location	Indoor
Communication	CAN, RS485
Display	LCD
Certificates	UN38.3, IEC61000-6-1/3

[1] When the ambient temperature is too low or too high, the performance of battery may be limited.

[2] All pictures shown are for reference only and data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.