

THE IMPORTANCE OF ENERGY STORAGE



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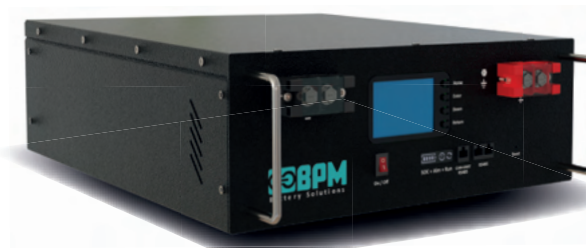


RACKLINE SERIES Modular Lithium Battery Systems



48V 100 Ah 51.2V 100 Ah 25.6V 200 Ah 48V 314 Ah 51.2V 314 Ah

Key Specifications					
Battery Type	LiFePO4 – Prismatic				
Nominal Voltage	48V	51.2V	25.6V	48V	51.2V
Nominal Capacity	100 Ah		200 Ah	314 Ah	
Nominal Energy Capacity	4.8kWh	5.12kWh	5.12kWh	15.07kWh	16.07kWh
Operating Voltage Range	40.5–54V	43.2–57.6V	21.6–28.8V	40.5–54V	43.2–57.6V
Max. Charge Voltage	54V	57.6V	28.8V	54V	57.6
Standard Charge/ Discharge Current	50A / 50A			100A / 100A	
Maks. Continuous Charge/ Discharge Current	100A / 100A			200A / 200A	
Limited Charge Current	10A			10A	
Cycle Life	5000 ≥ Cycle			8000 > Cycle	
Normal Operating Temperature	25°C				
Charge Temperature	0~+50°C				
Discharge Temperature	-20~+65°C				
Storage Temperature	-20~+55°C				
Remaining Capacity Loss	≤3% per month (25°C ±2C)				
Warranty	5 Years				
Functional Specifications					
Communication	CAN, RS485, Bluetooth				
Scalability	Max. 16 units in parallel				
Cooling	Natural Cooling				
Integrated Heater	Not Available				
BMS Protection	UV, OV, OC, UT, OT, SC				
LED Indicators	Alarm, Status, 3,5'' Colored Display				
Compatible Inverters (*)	Aiswie, DeYe, Goodwe, Growatt, LUXPower, Must, Pylon, SMA, Sofar, SRNE, Studer, Victronenergy, Voltronicpower				
Mechanical Specifications					
Protection Level	IP20				
Humidity	5%–85%RH (Non-condensing)				
Mounting	< 3.000m				
Dimensions (WxDxH)	435x528x152mm (3.5U)			450x250x945mm	
Weight	48±2 kg	50±2 kg		95±2	100±2
Power Terminal	Screw Terminals				



Rackline Modular Lithium Batteries FEATURES



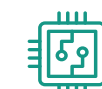
Thanks to its modular design, it can be easily integrated into existing rack and server cabinets.



Supports up to 16 units in parallel, enabling a total energy storage capacity of 82 kWh.



Delivers over 5,000 charge/discharge cycles, ensuring more than 10 years of service life.



Advanced Battery Management System (BMS) ensures seamless compatibility with leading inverter brands and enhances overall system safety.



With fast charging capability, it can reach up to 80% charge in just 1 hour.



Application Areas

- + Agriculture and Agricultural Energy Users
- + Solar Energy Systems (PV Projects)
- + Residential & Off-Grid Systems
- + Electric Vehicle (EV) Charging Systems

Compatible Inverters

- + Aiswie
- + DeYe
- + Goodwe
- + Growatt
- + LUXPower
- + Must
- + Pylon
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