THE IMPORTANCE OF ENERGY STORAGE



BPM Battery Solutions

a trademark of **Birikim Pilleri**

www.bpmbattery.com
www.birikimpilleri.com

Tepeören District, Tuzla Organized Industrial Zone (ITOSB)
Recep Bilal Hancı Street 4/20 Tuzla / Istanbul – Türkiye
info@bpmbattery.com
+90 216 629 90 60

May 2025 / Rev01

BPM Battery Solutions

RACKLINE SERIES

Rackline 48V 100Ah Modular Lithium Battery
Rackline 51.2V 100Ah Modular Lithium Battery

	48V 100 Ah	51.2V 100 Ah
Basic Features		
Battery Type	LiFePO4 - Prismatic	
Nominal Voltage	48V	51.2V
Nominal Capacity	100 Ah	
Nominal Energy Capacity	4.8kWh	5.12kWh
Operating Voltage Range	40-54V	43.2-57.6V
Max Charge Voltage	54	57.6
Standard Charge/Discharge Current	50A / 50A	
Max Continuous Charge/Discharge Current	100A / 100A	
Limited Charge Current	10A	
Cycle Life	≥5.000 Cycles	
Normal Operating Temperature	25°C	
Charge Temperature	0~+50°C	
Discharge Temperature	-20~+65°C	
Storage Temperature	-20~+55°C	
Remaining Capacity Loss	Monthly ≤3% (25°C ±2C)	
Warranty	3 Years	
Functional Features		
Communication	CAN, RS485	
Scalability	Max. 16 units in parallel	
Cooling	Natural Cooling	
Integrated Heater	No	
BMS Protections	UV, OV, OC, UT, OT, SC	
LED Indicators	Alarm, Run, SOC	
Compatible Inverters (*)	Aiswie, DeYe, Goodwe, Growatt, LUXPower, Must, Pylon, Sacolar, Slolis, SMA, Sofar, SRNE, Studer, Victronenergy, Voltronicpower	
Mechanical Features		
Protection Level	IP20	
Humidity	5%-85%RH (Non-condensing)	
Altitude	< 3.000m	
Dimensions (WxDxH)	431x528x154mm (3.5U)	
Weight	48±2 kg	50±2 kg
Power Terminal	Screw Terminals	

(*) Contact us for compatibility with other inverter brands.



Rackline Modular Lithium Battery

FEATURES

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

Allows up to 16 units to be connected in parallel, offering a total energy storage capacity of 82 kWh.

RACKLINE SERIES
3 YEAR WARRANTY

Capable of over 5.000 charge-discharge cycles, providing more than 10 years of service life.

The advanced Battery Management System (BMS) works in full compatibility with leading inverters to ensure system safety.

Fast charging capability enables reaching 80% capacity within 1 hour.

Application Areas

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

Compatible Inverters

+ Aiswie
+ DeYe
+ Goodwe
+ Growatt
+ LUXPower
+ Must
+ Pylon
+ Sacolar
+ Slolis
+ SMA
+ Sofar
+ SRNE
+ Studer
+ Victronenergy
+ Voltronicpower

