



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, RFN ENERGY has delivered more than 138+ countries serving 100,000+ users.

[www.rofonatura.ro](http://www.rofonatura.ro)

### ✓ Long life and safety

Vertical industry integration ensures more than 6500 cycles with 80% DoD.  
Safe Lithium iron phosphate battery cell.

### ✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

### ✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 81.9KW with single max module (5.12kWh) at 16pcs parallel connection.

### ✓ Easy to install and use

Just plug and play to minimize the installation time and cost. Compact and fashionable design fits in your sweet home environment.

### ✓ Compatibility

Compatible with most of the available Hybrid inverters.

### ✓ Safety Cert

CB-IEC62619, CE-EMC, CEI 0-21, UN38.3, MSDS

## Battery Specifications

Model No

RFN-051100A-B-GBP2

### Nominal Parameters

Battery Chemistry	LiFePO4	
Voltage	51.2V	
Operating Voltage	46-56V	
Capacity	100Ah	
Energy	5.12kWh	
Scalability	Max.16pcs in parallel (81.92kWh)	
Usable Energy	4.61kWh	
Charge/Discharge Current	Recommend	50A
	Max.	100A
	Peak(2mins,25°C)	120A

### Basic Parameters

Recommend Depth of Discharge	80%
Dimension (W/H/D)	436*650*160mm / 17.2*25.6*6.3 in
Weight Approximate	45kgs / 99 lbs
Master LED Indicator	4 LED (SOC:25%~100%)
	2 LED (working, alarming, protecting)
IP Rating of Enclosur	IP50
Working Temperature	Charge:0°C ~ 55°C Discharge:-20°C ~ 55°C
Storage Temperature	0°C ~ 35°C
Humidity	5%~95%
Altitude	≤2000m
Cycle Life (25±2°C,0.5C/0.5C,80%EOL)	≥6500
Installation	Wallmounted
Communication Port	CAN2.0, RS485
Warranty Period [3]	10 years
Certification	CB-IEC62619,CE-EMC, UN38.3, MSDS