



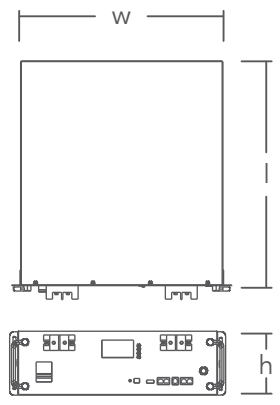
**Rack Mount 3U Serie G2  
Lithium Battery 5 kWh  
51.2V 100 Ah BMS IP20**

## PRODUCT HIGHLIGHTS

- ~ Aesthetic and Compact rack mounted Lithium-ion battery storage system
- ~ Higher energy storage capacities
- ~ Buit-in Battery Management System (BMS)
- ~ Expandable up to 16 batteries in parallel up to 80 kWh
- ~ Ideal for back-up and PV installation
- ~ Low voltage ESS
- ~ Configurable for Three-Phase installations
- ~ Front LCD monitor for BMS data reading
- ~ PC software monitoring
- ~ Grade A LiFePo4 Prismatic cells
- ~ Computer monitoring
- ~ Very deep cycle
- ~ Communication with various types of inverters by CANbus, RS485\*
- ~ For residential and commercial installations

## GENERAL CHARACTERISTICS

Product Reference	BLIR3U48100G2
Material	Metal
Cycle Life	6'000 Cycles @ 95% DoD /25°C / 0.5C 8'000 Cycles @ 80% DoD /25°C / 0.5C
System Connection	Max 16 pieces in parallel
Battery Connectors	Std Terminals
Communication Port	CANbus / RS485
Working Temperature	+5°C...+50°C
Storage Temperature	-20°C...+65°C
Ingress Protection	IP20
Dimensions (l x w x h)	500 x 450 x 145 mm
Weight	45 Kg



## ELECTRICAL CHARACTERISTICS

Nominal Voltage	51.2 V
Nominal Capacity	102 Ah
Nominal Energy	5.2 kWh
Usable Capacity	5 kWh
Operating Voltage	48 V - 57.6 V
Recommended Charging Current	50 A
Max Peak Charging Current	100 A
Max Discharging Current	100 A
Depth of Discharge (DoD)	95%
BMS***	Robust Multi point monitoring BMS pre installed

\* Consult us for the list of compatible inverters  
 \*\* **Warranty:** 5 years warranty subject to BMS valid reporting. Warranty is valid for compatible inverters.  
 \*\*\* **BMS:** Over Temperature cut off, Over Voltage cut off, Short Circuit Protection, Over Charge/ Discharge cut off, Over Current cut off  
 \*\*\*\* **Certifications:** UN38.3, IEC 62619, IEC61000, UL 1642(cell) (more available upon request)