



R100 51.2V 100Ah 5.1kWh

REVOV batteries are energy storage Lithium Iron Phosphate batteries that use superior 16 cell configuration, made up of repurposed automotive grade cells, which are designed to withstand harsh conditions, extreme temperatures and have a high energy density.

REVOV batteries are environmentally responsible, reducing electronic waste and repurposing important materials.

KEY FEATURES

- Safe **LiFePO₄** Chemistry
- Long Lifecycle
- High Temperature Performance
- High Energy Density
- High Charge and Discharge Rate
- High Efficiency
- Integrated Battery Management System (BMS)
- LCD Display - showing battery information

CODE: 2LIFE-R9-UBMS-R100-5.1

WARRANTY

REVOV Batteries (PTY) LTD: The warranty is valid for either a time period of 10 years or a cycle count of:

- 6000 cycles at 80% Depth of Discharge (DoD)
 - 5000 cycles at 90% Depth of Discharge (DoD).
 - 3500 cycles at 100% Depth of Discharge (DoD)
- whichever lapses first.

DOD When used properly everyday the R100 can be safely discharged to 100% of its rated capacity. Battery life is shortened if it is discharged beyond its rated Ah capacity.

SPECIFICATIONS

R100 51.2V 100Ah 5.1kWh	
Model	R100
Battery Type	LiFePO ₄
Battery Capacity	100Ah
Power Capacity	5.1kWh
Voltage	
Nominal	51.2V
Float Charge	54.5V
Absorption Charge	55.5V
Current	
Maximum Continuous Charge/Discharge	100/100A
Weight & Dimensions	
Dimensions (LxWxH, mm)	495mm x 442mm x 170mm
Battery Weight	42kg
Temperature	
at Charging	0 - 45°C
at Discharging	-10 - 45°C
Other	
Enclosure Protection	IP20
Design Cycle Life	7000
Access Interface	CAN Bus
Compatible Inverters	All leading inverter brands
Storage Conditions	15 - 25°C at 50% SoC (charge every 6 months)
Warranty	10 years / 3500 cycles @100% DoD 10 years / 5000 cycles @90% DoD 10 years / 6000 cycles @80% DoD
Max Depth of Discharge (DoD)	100%