



## R100 51.2V 100Ah 5.1kWh

**REVOV 2<sup>nd</sup> LiFe** batteries are energy storage Lithium Iron Phosphate battery that use superior 16 cell configuration, made up of repurposed automotive grade cells, which are designed to withstand harsher conditions, extreme temperatures and have a higher energy density.

**REVOV 2<sup>nd</sup> LiFe** batteries are environmentally responsible, reducing electronic waste and repurposing important materials

### KEY FEATURES

- Safe **LiFePO<sub>4</sub>** 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:** 10 years or 3 500 cycles at 1 cycle per day.

**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 <sub>4</sub>
Battery Capacity	100Ah
Power Capacity	5.1kWh
Voltage	
Nominal	51.2V
Float Charge	54.5V
Absorption Charge	55.5V
Current	
Maximum Charge/Discharge	80/80A
DoD	100%
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
Communications 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