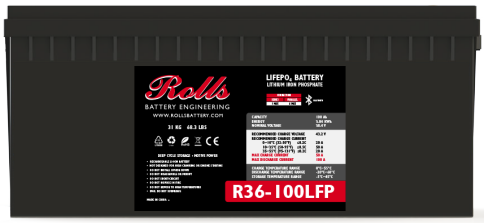
LIFEPO4 LITHIUM BATTERY

R36-100LFP





M8

Series	R-SERIES LFP	Warranty	See Warranty Terms
Volts	36	Design	4D
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

Charge | Discharge

Charge Voltage Range	42.0 - 43.8V
Recommended End of Discharge Voltage	36.0 V
End of Discharge Protection Voltage	30.0 V
Recommended Charge Voltage	43.2 V
Recommended Charge Current	

0~10°C (32-50°F)	0.2C	20A
10~35°C (50-95°F)	0.5C	50A
35~50°C (95-122°F)	0.2C	20A

Charge Mode:
• Charge at recommend voltage & current by temperature until charge current drops to ≤ 0.05C (CC,CV)
• DO NOT USE TEMPERATURE COMPENSATION
• No BTS (Battery Temperature Sensor)

Max Continuous Charge Current	50 A
Max Continuous Discharge Current	100 A
Surge Current Limit	700 A (300ms)
Charge Temperature Range	0°C~55°C (32~131°F)
Discharge Temperature Range	-20°~60°C (-4~140°F)
Storage Temperature Range	-5°~45°C (23~113°F)

Capacity

Nominal Capacity	100 AH
Total Energy	3.84 kWh
Nominal Voltage	38.4 V

Safety

- Cylindrical LiFePO4 cells (UL1642)
- IEC62133 (cell), IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

Design

- Standard-size (BCI) ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Maintenance-free operation
- Bluetooth Connectivity & dedicated IOS & Android App

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

36V LFP Profile

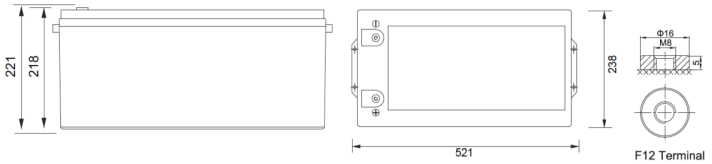
Specifications

Weight	31 kg	68.3 lbs
Length	521 mm	20.5"
Width	238 mm	9.37"
Height	218 mm	8.58"
Height Incl. Term.	221 mm	8.7"

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	ABS
Cover	ABS
Handles	Rope / Plastic Handle
Internal BMS Model	12S100A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNITS MAX
Parallel Connection	6 UNITS MAX

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

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