LIFEPO4 LITHIUM BATTERY

R36-60LFP





Series	R-SERIES LFP	Warranty	See Warranty Terms
Volts	36	Design	Grp 31
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	12A
10~35°C (50-95°F)	0.5C	30A
35~50°C (95-122°F)	0.2C	12A

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	30 A
Max Continuous Discharge Current	60 A
Surge Current Limit	500 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	60 AH
Total Energy	2.3 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

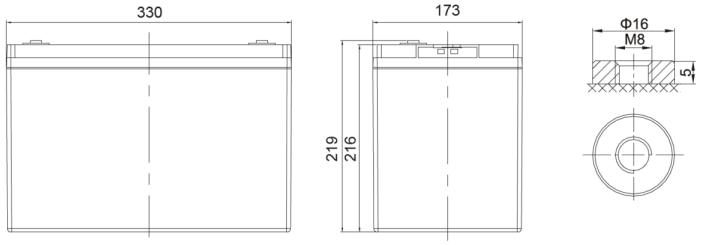
Specifications

Weight	17 kg	37.5 lbs
Length	330 mm	13"
Width	173 mm	6.81"
Height	216 mm	8.5"
Height Incl. Term.	219 mm	8.62"

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	12S60A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNITS MAX
Parallel Connection	6 UNITS MAX

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

Rev.#1 | May 2023