

# RB60-X



**MECHANICAL** SPECIFICATIONS

Dimensions (L x W x H)

Weight

**Terminal Type** 

Case Material Enclosure Protection

**Terminal Torque** 

Cell Type - Chemistry

CHARGE SPECIFICATIONS Recommended Charge Current

**Recommended Charge Voltage** 

**COMPLIANCE SPECIFICATIONS** 

BMS Charge Voltage Cut-Off

**Reconnect Voltage** 

**Balancing Voltage** 

Certifications

**Shipping Classification** 

Maximum Charge Current

Group: 24

10.2 x 6.6 x 8.6"

20 lbs (8.9 kg)

M8

ABS

IP56

30 A

60 A

14.2 V - 14.6 V

(1.2 ±0.3 s)

CE (battery)

15.6 V (3.9 ±0.025 vpc)

15.2 V (3.8 ±0.05 vpc)

14.4 V (3.6 ±0.025 vpc)

UL1642 & IEC62133 (cells)

UN 3480, CLASS 9

260 x 168 x 218 mm

80 - 100 in-lbs (9 - 11 N-m)

Cylindrical - LiFePO<sub>4</sub>

### LITHIUM IRON PHOSPHATE BATTERY

#### **ELECTRICAL SPECIFICATIONS**

Nominal Voltage	12.8 V
	12.0 V
Nominal Capacity	60 Ah
Capacity @ 25A	144 min
Energy	768 Wh
Resistance	≤20 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

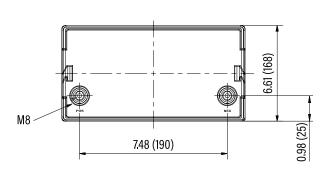
#### **DISCHARGE SPECIFICATIONS**

Maximum Continuous Discharge Current	100 A
Peak Discharge Current	200 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	550 A ±50 A (9 ±5 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (144 ±30 ms)
Reconnect Voltage	8.64 V (2.16 ±0.24 vpc)
Short Circuit Protection	200-600 µs

#### **TEMPERATURE** SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 113 °F (0 to 45 °C)
Storage Temperature	23 to 95 °F (-5 to 35 °C)
BMS High Temperature Cut-Off	167 °F (75 °C)
Reconnect Temperature	122 °F (50 °C)

#### **DIMENSIONAL SPECIFICATIONS**



|--|

10.24 (260)

#### © 2018 Relion Battery, LLC. All rights reserved. Relion Battery is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. Relion Battery reserves the right to make adjustments to this publication at any time, without notice or obligation

### relionbattery.com

+1.803.547.7288 844.385.9840

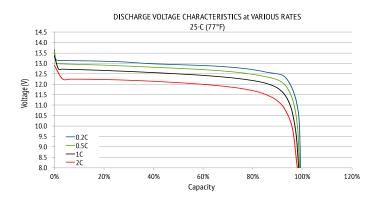
9868 Harrisburg Road Fort Mill, SC 29707, US

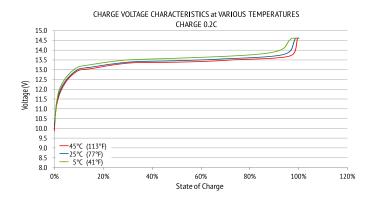


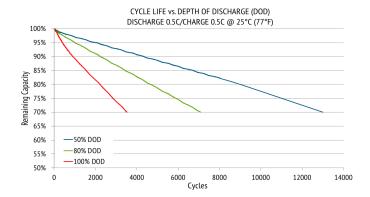


# **RB60-X**

#### **PERFORMANCE CHARACTERISTICS**

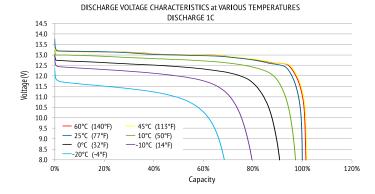


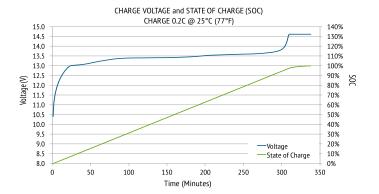


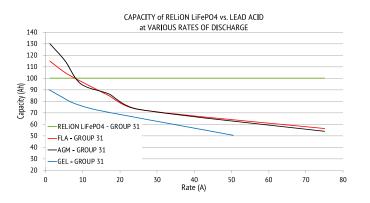




Group: 24









RB60XDS07.14.2018 © 2018 Relion Battery, LLC. All rights reserved. Relion Battery is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. Relion Battery reserves the right to make adjustments to this publication at any time, without notice or obligation.

relionbattery.com

IEC

CE

**F**1°

+1.803.547.7288 844.385.9840 9868 Harrisburg Road Fort Mill, SC 29707, US

