



## RB&(j) \$

## Group 31

### LITHIUM IRON PHOSPHATE BATTERY

#### ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6 V
Nominal Capacity	50 Ah
Capacity @ 25A	120 min
Energy	1280 Wh
Resistance	60 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	1

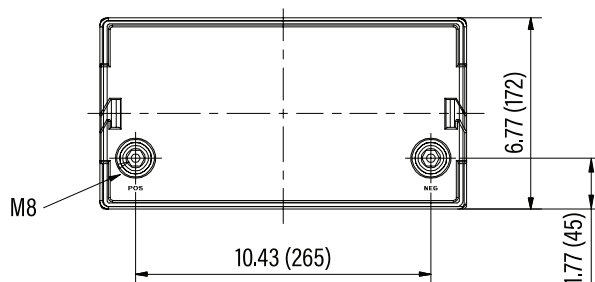
#### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	50 A
Peak Discharge Current	100 A (7.5 s ±2.5 s)
PCM Discharge Current Cut-Off	215 A (±15 A)
Recommended Low Voltage Disconnect	22 V
PCM Discharge Voltage Cut-Off	16 V
Reconnect Voltage	20 V
Short Circuit Protection	200-600 μs

#### TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 to 55 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	176 °F (80 °C)

#### DIMENSIONAL SPECIFICATIONS



#### MECHANICAL SPECIFICATIONS

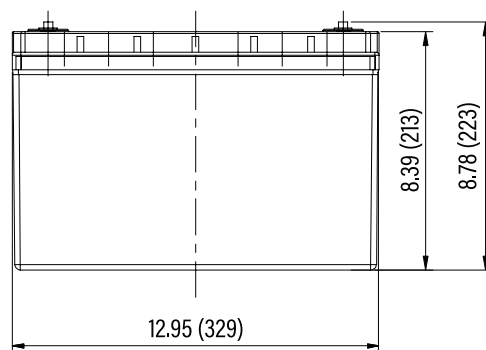
Dimensions (L x W x H)	13.0 x 6.8 x 8.8" 329 x 172 x 223 mm
Weight	29 lbs (13.2 kg)
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical - LiFePO <sub>4</sub>

#### CHARGE SPECIFICATIONS

Recommended Charge Current	25 A
Maximum Charge Current	50 A
PCM Charge Current Cut-Off	215 A (±15 A)
Recommended Charge Voltage	28.4 V - 29.2 V
PCM Charge Voltage Cut-Off	31.2 V
Reconnect Voltage	30.4 V
Balancing Voltage	28.8 V

#### COMPLIANCE SPECIFICATIONS

Certifications	CE (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9





## RB24v50

## Group 31

### PERFORMANCE CHARACTERISTICS

