

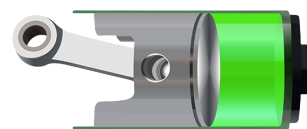
VMAX LFP3650MBH Lithium Battery Datasheet

Chemistry	Lithium (LiFePO4)
Group Size	31
Nominal Voltage	38.4 Volts
Capacity (20-hour rate)	50Ah
Energy	1920 Wh
Max. Continuous Discharge Amps	100 Amps
Max. 3-Second Discharge Amps	150 Amps
Charging Voltage	43.8V
Recommended Charging Current	5A - 50A
Max Charging Current	100 Amps
Terminals	M8 x 1.25 Threaded Inserts
Polarity	+ Left / - Right
Length	13.0" (33.0 cm)
Width	6.88" (17.5 cm)
Height	8.74" (22.2 cm)
Weight	37.5 lbs (17.0 kg)
High Voltage Cut-Off	>45.0 Volts
Low Voltage Cut-Off	<24.0 Volts
Discharge Over-Current Protection	>110A (10s delay), >200A (1s delay)
Charging Over-Current Protection	>110A (10s delay), >200A (1s delay)
Discharge Temp Range	-4°F - 150°F (-20°C - 66°C)
Charging Temp Range	32°F - 113°F (0°C - 45°C)
Storage Temp Range	-4°F–113°F (-20°C - 45°C)
Heater "On" Temp	32°F (0°C)
Parallel Connections	Up to 4 (200Ah)
Cycle Life	100% DOD: ~3000 @ 50A, 77F
Design Life	~5 Years
Efficiency	>98%
Certifications	CE Certified

Information sourced from vmaxtanks.com August 2026 and is subject to change.



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