VMAX LFP1250B Lithium Battery Datasheet

Chemistry	Lithium (LiFePO4)
Group Size	U1R
Nominal Voltage	12.8 Volts
Capacity (20-hour rate)	50Ah
Energy	640 Wh
Max. Continuous Discharge Amps	50 Amps
Max. 3-Second Discharge Amps	150 Amps
Charging Voltage	14.4V - 14.6V
Recommended Charging Current	5A - 50A
Max Charging Current	50 Amps
Terminals	M6 x 1.0 Threaded Inserts
Polarity	- Left / + Right
Length	7.70" (196 mm)
Width	5.20" (132 mm)
Height	7.20" (183 mm)
Weight	13.0 lbs (5.9 kg)
High Voltage Cut-Off	14.8 Volts
Low Voltage Cut-Off	10.0 Volts
Discharge Over-Current Protection	>160A w/1sec Delay
Charging Over-Current Protection	>60A w/1sec Delay
Discharge Temp Range	-4°F - 130°F (-20°C - 54°C)
Charging Temp Range	32°F - 113°F (0°C - 45°C)
Storage Temp Range	32°F - 86°F (0°C - 30°C) @ 40%~60% SOC
Series Connections	Up to 4 (48V)
Parallel Connections	Up to 4 (200Ah)
Cycle Life	80% DOD: ~4000 @ 15A >2,000 @ 25A, 77F
Design Life	~10 Years
Efficiency	>98%
Certifications	IP54, UN 38.3, CE

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