

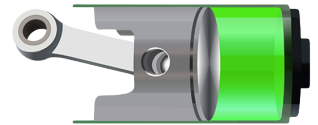
VMAX LFP12100MBH Lithium Battery Datasheet

Chemistry	Lithium (LiFePO4)
Group Size	27
Nominal Voltage	12.8 Volts
Capacity (20-hour rate)	100Ah
Energy	1280 Wh
Max. Continuous Discharge Amps	100 Amps
Max. 3-Second Discharge Amps	250 Amps
Charging Voltage	14.4V - 14.6V
Recommended Charging Current	10A - 100A (15A - 20A Preferred)
Max Charging Current	100 Amps
Terminals	M8 x 1.25 Threaded Inserts
Polarity	+ Left / - Right
Length	12.08" (30.7 cm)
Width	6.60" (16.8 cm)
Height	8.35" (21.2 cm)
Weight	25.0 lbs (11.3 kg)
High Voltage Cut-Off	15.0 Volts
Low Voltage Cut-Off	10.0 Volts
Discharge Over-Current Protection	>120A (10s delay), >300A (1s delay)
Charging Over-Current Protection	>120A (10s delay), >300A (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)
Series Connections	Up to 4 (48V)
Parallel Connections	Up to 4 (400Ah)
Cycle Life	100% DOD: ~6000 cycles @ 50A, 77°F
Design Life	~10 Years
Efficiency	>98%
Certifications	CE Certified

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



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