

VMAX LFP12300BH Lithium Battery Datasheet

Chemistry	Lithium (LiFePO4)
Group Size	8D
Nominal Voltage	12.8 Volts
Capacity (20-hour rate)	300Ah
Energy	3840Wh
Max. Continuous Discharge Amps	200A
Max. 3-Second Discharge Amps	400A
Charging Voltage	14.4 - 14.6V
Recommended Charging Current	30 - 200A
Max Charging Current	200A
Terminals	M8 Inserts
Length	20.60" (52.3 cm)
Width	9.40" (23.9 cm)
Height	8.70" (22.1 cm)
Weight	77.0 lbs (34.9 kg)
Low Voltage Cut-Off	10.0V
Discharge Over-Current Protection	440A w/1-Second Delay
Charging Over-Current Protection	220A w/1-Second 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	32°F - 86°F (0°C - 30°C)
Heater "On" Temp	32°F (0°C)
Series Connections	4 Max (up to 48V)
Parallel Connections	4 Max (up to 1200Ah)
Cycle Life	80% DOD: ~4000 cycles @ 50A 77F
Design Life	~10 Years
Certifications	CE Certified

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

