

# VMAX LFP1250M Lithium Battery Datasheet

|                                          |                                        |
|------------------------------------------|----------------------------------------|
| <b>Chemistry</b>                         | Lithium (LiFePO4)                      |
| <b>Group Size</b>                        | U1                                     |
| <b>Nominal Voltage</b>                   | 12.8 Volts                             |
| <b>Capacity (20-hour rate)</b>           | 50Ah                                   |
| <b>Energy</b>                            | 640 Wh                                 |
| <b>Max. Continuous Discharge Amps</b>    | 60 Amps                                |
| <b>Max. 3-Second Discharge Amps</b>      | 120 Amps                               |
| <b>Charging Voltage</b>                  | 14.4V                                  |
| <b>Recommended Charging Current</b>      | 5A - 25A                               |
| <b>Max Charging Current</b>              | 60 Amps                                |
| <b>Terminals</b>                         | M6 x 1.0 Threaded Inserts              |
| <b>Polarity</b>                          | + Left / - Right                       |
| <b>Length</b>                            | 7.70" (194 mm)                         |
| <b>Width</b>                             | 5.10" (132 mm)                         |
| <b>Height</b>                            | 6.7" (170 mm)                          |
| <b>Weight</b>                            | 10.0 lbs (4.75 kg)                     |
| <b>High Voltage Cut-Off</b>              | 14.6 Volts                             |
| <b>Low Voltage Cut-Off</b>               | 9.2 Volts                              |
| <b>Discharge Over-Current Protection</b> | >225A w/2 sec Delay                    |
| <b>Charging Over-Current Protection</b>  | >90A w/.5 sec Delay                    |
| <b>Discharge Temp Range</b>              | -4°F - 130°F (-20°C - 54°C)            |
| <b>Charging Temp Range</b>               | 32°F - 113°F (0°C - 45°C)              |
| <b>Storage Temp Range</b>                | 32°F - 86°F (0°C - 30°C) @ 40%~60% SOC |
| <b>Series Connections</b>                | Up to 4 (48V)                          |
| <b>Parallel Connections</b>              | Up to 4 (200Ah)                        |
| <b>Cycle Life</b>                        | 100% DOD: ~3500 @ 25A                  |
| <b>Design Life</b>                       | ~10 Years                              |
| <b>Efficiency</b>                        | >98%                                   |
| <b>Certifications</b>                    | IP67, UN 38.3, CE                      |

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

