

BAML12V300AH

Maple Leaf 12V 300AH Lithium Iron Phosphate Battery

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Unlock a new level of power, flexibility, and durability with our 12V 300AH Lithium Iron Phosphate (LiFePO4) battery. This advanced battery solution incorporates cutting-edge features, including auto-balance among parallel connections, an integrated smart battery management system (BMS), state-of-the-art battery cells, self-heating function, and Bluetooth connectivity.

With exceptional cycle life, discharge performance, and a range of convenient features, this battery offers reliable power for various applications while ensuring peace of mind.

Warranty



Power Output Warranty

Product Certification



Key Features



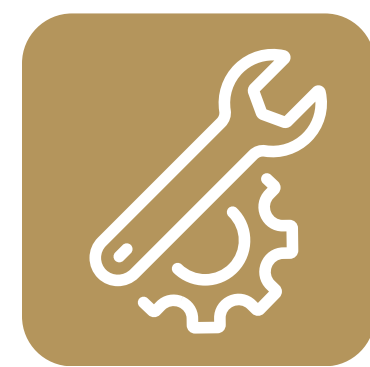
Unmatched Flexibility and Balance

Flexibility for battery connections, allowing for optimal power utilization and extending the overall battery life.



Smart Battery Management for Longevity

Comprehensive monitoring & control function safeguards against overcharging, over-discharging, and short circuits.



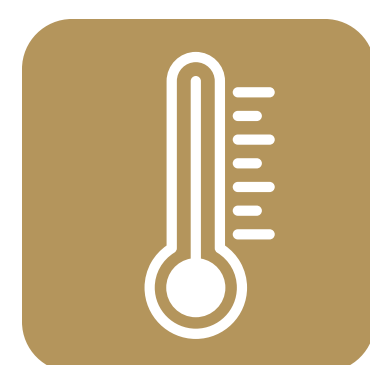
Cutting-Edge Battery Cells

These advanced cells provide superior energy density, resulting in a compact design with a higher power output.



Exceptional Discharge Performance

Designed to meet demanding power requirements, our LiFePO4 battery excels in discharge performance.



Reliable Power, Even in Extreme Cold

Experience uninterrupted power in cold climates with our LiFePO4 battery's self-heating function.



Seamless Monitoring and Control

Monitor, control, and optimize battery's performance in real-time via smartphone, tablet, or monitoring system.



Quality Assurance and Eco-Friendly Choice

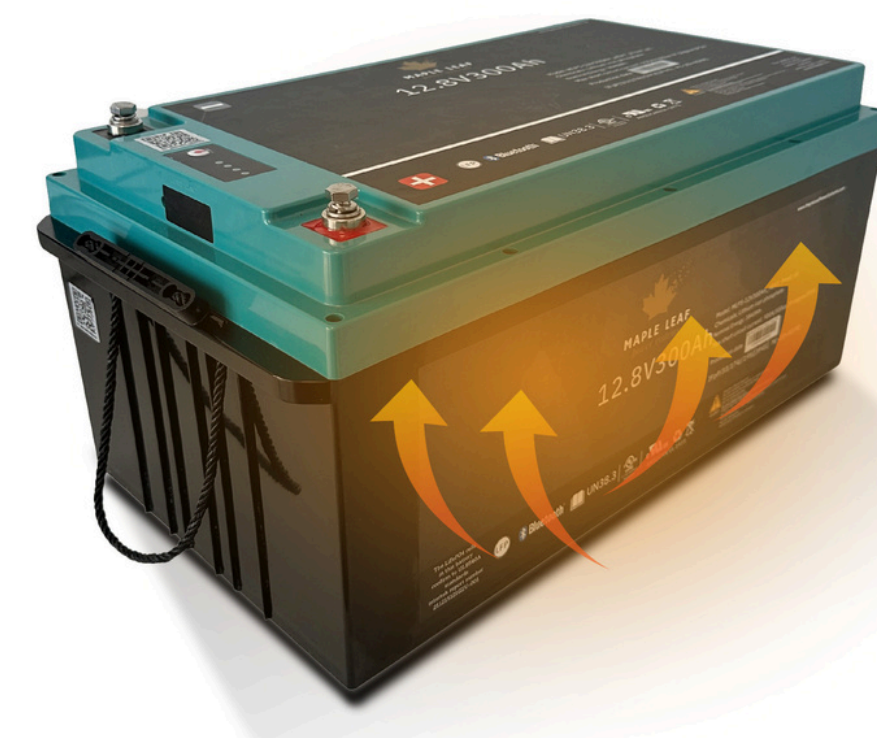
LiFePO4 battery undergoes rigorous quality assurance processes to ensure exceptional reliability and performance.

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Tech & Specs



Models

12V 100AH

12V 200AH

12V 300AH

Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	100AH	200AH	300AH
Rated Energy	1.28kWh	2.56kWh	3.84kWh
Internal Resistance (@1kHzAC)	$\leq 20\text{m}\Omega$	$\leq 20\text{m}\Omega$	$\leq 20\text{m}\Omega$
Charge Voltage	14.0-14.6V	14.0-14.6V	14.0-14.6V
Float Voltage	13.6-13.8V	13.6-13.8V	13.6-13.8V
Recommended Charge Current	$\leq 50\text{A}$	$\leq 100\text{A}$	$\leq 150\text{A}$
Recommended Discharge Current	100A	200A	300A
Cycle Life	≥ 6000	≥ 6000	≥ 6000
Dimension(L*W*H)	318*165*225mm	505*172*225mm	521*280*235mm
Weight	10kg (22Lb)	27kg (60Lb)	40kg (88Lb)

Basic Parameter

Allowed MAX charge current	200A 30min@25±5°C
Allowed MAX discharge current	200A 30min@25±5°C
End of discharge voltage	9.6~11.0V
Working Temperature	Charge -35~45°C Discharge -20~55°C
Float Charge Voltage (for standby use)	13.8±0.2V
Warranty	10 Years
Max short circuit current	750A/500us
IP degree	IPX4
Chemicals	Lithium iron phosphate
Features	Self-heating function & Bluetooth connectivity

Caution



- Electric shock hazard.
- Do not connect in reverse or short circuit.
- Do not expose to excessive heat.
- Do not disassemble.
- Do not impact & crush.

- Risque de choc électrique.
- Ne vous connectez pas en marche arrière ou en court-circuit.
- Ne pas exposer à une chaleur excessive.
- Ne pas démonter.
- N'avez pas d'impact et écraser.