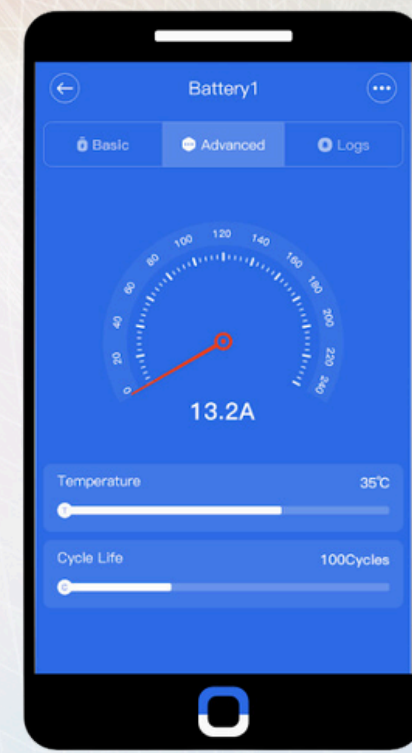




BAML48V100AHW

Maple Leaf Powerwall 48V 100AH Battery



Powerwall 48V 100AH

Maple leaf 48V 100AH Powerwall Lithium Iron Phosphate battery is a true Grade A+ Lithium Iron Phosphate (LiFePO4) battery pack designed to be easily installed on a wall next to your inverter unit.

This 16S (48v nominal) 5.12 kW-h LiFePO4 battery bank is paired with a digital battery management system (BMS), to provide automated and maintenance free battery operation, with a typical lifespan of over 4000 cycles. The assembly features full CAN bus & RS485 protocols to pair with most common 48V inverters, as well as RS-232 control for PC configuration.

Warranty



**Power Output
Warranty**

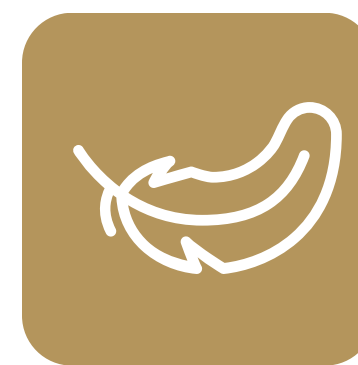


**Extended
Warranty
Included**

Product Certification



Key Features



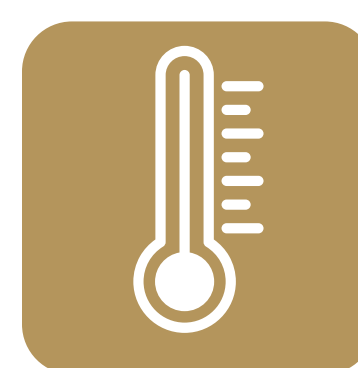
Lighter Weight

Boasts a weight that's about 40% lighter than traditional lead-acid batteries, without compromising on power.



Higher Power

Impresses with its capability to deliver twice the power of conventional lead-based batteries.



Wider Operating Temperature

Excels in versatility, functioning seamlessly in temperatures ranging from -10 to 60 degrees Celsius.



Superior Safety

It eliminates the risk of explosion & combustion due to high impact, overcharging protection.



BMS features

Cold/High temperature protection, self balancing, SOC LCD screen, Inverter Communication port



Increased Flexibility

Compact design and ability to add up to 16 batteries in parallel.



Longer Cycle Life

Offers up to 20 times longer life cycle and five times longer float/calendar life than a lead-acid battery. >7000 cycles @ 80% DOD



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Tech & Specs

Nominal Voltage	51.2V
Nominal Capacity	100AH
Nominal Energy	5.12kWh
Usable Energy	5.0kWh
Recommended Charge Current	50A
Maximum Continuous Charge Current	80A
Maximum Continuous Discharge Current	100A
Peak Discharge Current(3s)	350A
Maximum Continuous Discharge Power	5kW
Peak Discharge Power(3s)	15kW
Standard Charge Voltage	56.0V
Recommended Floating Charge Voltage	54.0V
End Discharging Voltage	43.2V
Standard Charge Voltage	56.0V

Basic Parameter

Battery Type	LiFePo4
IP Rating	IP55
Self Discharge Rate(Sleep Mode)	ResidualCapacity≤3%/month;≤20%/years
Dimension(W*D*H) in mm	454*670*170
Battery Module Weight	~60.7Kg
Operating Temperature	0~45°C(32~113°F)
Recommended Operating Temperature	15~30°C(59~86°F)
Storage Temperature for Short Time	-10~45°C(14~113°F)
Storage Temperature for Short Time	-10~35°C(50~95°F)

Life Cycle Curve

