

LFP BATTERY MODULES

HIGH ENERGY DENSITY & SAFETY BATTERY



<p>≥5000 CYCLES</p>	<p>≤4% SELF DISCHARGE</p>	<p>-20°C~55°C OPERATION TEMP</p>
<p>HIGH ENERGY DENSITY</p>	<p>FAST RECHARGE</p>	



COMMUNICATION
BASE STATION



ELECTRIC
VEHICLE



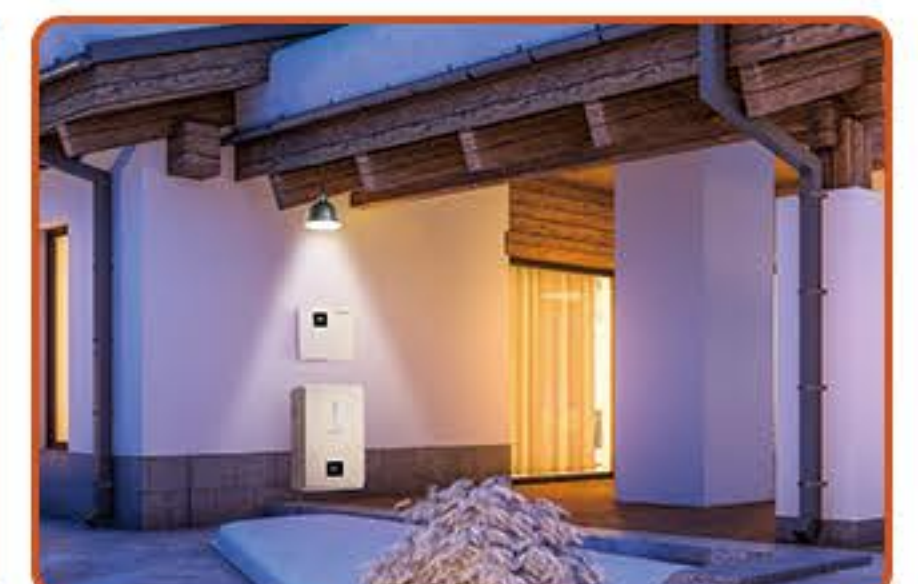
ROBOT



RV



SHIP



ENERGY STORAGE
SYSTEM

ADVANTAGES



High Energy Density: LFP batteries have a much higher energy density than lead-acid batteries, allowing them to store more energy in the same volume.



Long Cycle Life: While lead-acid batteries typically have a cycle life of around 300 times, LFP batteries can achieve up to 5000 cycles or more.



Lightweight: LFP batteries are much lighter than lead-acid batteries of the same capacity. This makes them more advantageous in applications requiring light weight, such as electric bicycles and electric vehicles.



High Charging Efficiency: LFP batteries have high charging efficiency and support fast charging.



High Safety: LFP batteries are safer under extreme conditions such as overcharging, over-discharging, and short-circuiting, and are less likely to catch fire or explode.



Eco-friendly: LFP batteries are free of heavy metals and rare metals, non-toxic, and environmentally friendly. They comply with the European RoHS regulations, making them a green battery option.



Good High-Temperature Performance: LFP batteries perform better in high-temperature environments, with a thermal peak of up to 350°C-500°C, compared to lead-acid and cobalt acid lithium batteries which are only around 200°C.

SPEC

	100 AH	100 AH	150 AH	200 AH	300 AH
Rated Capacity	100 AH	100 AH	150 AH	200 AH	300 AH
Nominal Voltage	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V
Total Power	1344 Wh	1280 Wh	1920 Wh	2560 Wh	3840 Wh
Cycle Life (@25±2°C 0.33C80% DOD)	≥5000	≥5000	≥5000	≥5000	≥5000
Weight (Contains the battery box and the battery cell)	≤12.5 Kg	≤12.5 Kg	≤12.5 Kg	≤23.5 Kg	≤34.5 Kg
Dimension (L*W*H)	330*175*215±1mm	390*107*216±1mm	330*175*215±1mm	526*238*246±1mm	520*269*220±1mm

Web: www.sinopolynewenergy.com / www.sinopoly.cn

Tel.: +86-755-86528305 **E-mail:** sales@sinopolynewenergy.com