51.2V 100Ah 5120Wh LiFePO4 Lithium Battery



7000+ Character

The **51.2V 100Ah** LFP Battery is compact, well-designed, LCD, and cable/accessories ready for installation. **7000 cycles** deep cycle & **10 years warranty,** designed for up to 15-year life.

BMS Intelligent BMS

Battery Management System can manage and monitor cells information including voltage, current and temperature, protects it from overcharge, deep discharge, overloading, overheating and short circuit, help to extend lifetime.

Flexible

Modular design, easy to expand, **max 63 units** in parallel capacity of **322.56kWh**.

Massive Energy Expansion

CAN/RS485/RS232 Communication Protocol Lithium Ion Battery can be compatible with most inverters in the market.

Self-Consumpion

BMS

LCD Display

Long Lasting Batttery Module

Wide Compatibility

IP20 Grade

SUNGOLDPOWER | BATTERY SYSTEMS
www.sungoldpower.com
sales@sungoldpower.com

Technical Specifications

Product Model	SG48100M
Battery Type	Lithium iron phosphate battery
Rated capacity	100Ah
Nominal voltage	51.2V
Recommended charging voltage	54.5V
Charging Limited Voltage	57.6V
SOC working range	0~100%
Standard discharge current	50A
Maximum continuous discharge current	100A
Standard charging current	50A
Maximumcontinuous-charge current	100A
Maximum cut-off voltage for charging.	57.6V
Charge cutoff.current	5A
Disharge cut-off voltage	43.2V
PACK.cyele life	≥7000
Thermal management method	Natural heat dissipation
IP protection class	IP20 battery box
Flammability rating	Plastic parts UL94 V-0
Total system mass	Around 43KG
Battery system shell materia	299U Q235A
Shipping SOC	SOC45-55%
Dimension (LxWxH mm)	420*600*140mm±2mm
Design life	15 Year
Parallel function	Supports up to 63 batteries in parallel
Anti-theft function	Sensor c-sensor-anti-theft function
Display function	English smart display
Charging current limit function	Current limit 20
Communication mode	RS232/RS485/CAN
Communication protocol	Support multiple protocols
Storage ambient temperature	14°F~113°F
Working temperature	Battery charging:32°F~113°F, Battery discharging:-4°F~140°F
Relative humidity of working environment	≤95