



PowerMax 314 Outdoor Series

16.07kWh 51.2V 314Ah Energy Storage Battery

UL1973 UL9540A Certificates



IP 65 rated
Indoor & Outdoor



Large-Capacity
Battery



LCD Touch
Screen



Supports
WiFi/Bluetooth



LiFePO4 batteries
safe and reliable



Intelligent
BMS



Max 16 Units
in Parallel

Battery 16kWh Lithium

Introduction

- The **PowerMax 314 Outdoor Series** 16.07kWh 51.2V 314Ah Energy Storage Battery is lithium battery that can be used outdoors, offering over **8000 deep cycles**. It can connect up to **16** units in parallel, providing a total capacity of **257kWh**. This versatility makes it ideal for residential and commercial applications, as well as other energy storage systems.
- It introduces touch-screen panel for **real-time monitoring**, displaying vital information like state of charge, current, and voltage. allows monitoring, enhancing user interaction and efficiency. **The intelligent BMS system** monitors abnormal conditions such as overcharge, over-discharge, overvoltage, overheating and more, helping to maximize battery performance.
- The **CAN/RS485 Communication** is compatible with most inverters on the market, including Growatt, SunGoldPower, Luxpower, Victron Energy, Schneider, EG4, Sol-Ark, Victron,Mppsolar, Megarevo, and more.
- Supports **WiFi/Bluetooth** monitoring, allowing user to quick and easy access to battery data on mobile phone.
- Supported by a **10-year warranty** and backed by technical support, SUNGOLDPOWER ensures exceptional pre-sales and after-sales service, providing peace of mind for all your energy needs throughout its 15-year life span.

Technical Specifications

Product Model	PowerMax 314 Outdoor
Rated voltage	51.2V
Voltage Range	44.8~57.6Vdc
Rated capacity	314Ah
Rated energy	16.07kWh
Usable Energy	15.42kWh
Max.Depth of discharge	>96%
Rated DC power	7.68kW
Weight	271.17lbs(123kg)
Dimensions(L*W*H)	41.26*18.11*10.67inches(1048*460*271mm)
Standard charge current	150A
Standard discharge current	150A
Max. charging current	190A
Max. discharging current	190A
Peak charging current	220A(3S)
Peak discharging current	220A(3S)
Breaker Current	240A
Screen	Touch Screen
Life cycle(80% DOD,0.5C,25°C)	8000 Cycles
Max. charging voltage	57.6V
Over discharge voltage	44.8V
Max. number of parallel	16
Communication interfaces	CAN/RS485/USB/WIFI/Bluetooth
Lithium Battery Standard	UL1973,UL9540A,UN38.3, MSDS
Storage time /temperature	6 months @25°C;3 months @35°C;1 months @45°C;
Charging temperature range	32°F to 131°F (0~55°C)
Discharging temperature range	14°Fto 131°F (-10~55°C)
Cooling method	Natural cooling
Enclosure protection rating	IP65
Operation Environment	Indoor & Outdoor

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