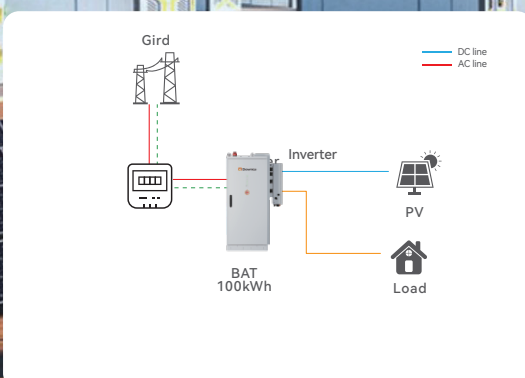


# 112kWh Outdoor LOONG POWER 4.0 Energy Storage System

Plug-and-play Inverter Compatibility  
Triple Safety Monitoring

314Ah  
Upgraded



## Features



### Multi-Status Visual Indication

- Instant operational status recognition
- Hazardous condition alert within 1s



### Triple Safety Monitoring

- Real-time detection: smoke , temperature
- Cabinet equipped with automatic fire alarm



### Plug-and-play Inverter Compatibility

- ≥8,000-cycle durability certification
- Auto-recognition & plug-and-play



### Equipped with a Display Screen

- Real-time system parameter visualization
- Integrated fault diagnosis system

MODEL	BS09-112-D-P
Battery Type	LiFePO <sub>4</sub>
Nominal Energy	16.076kWh
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Number of Battery Packs	7
Cooling Method	Fan Cooling
Charging Temperature Range	0°C~55°C
Discharging Temperature Range	-10°C~55°C
Module IP Rating	IP20
<b>Module Parameters</b>	
Nominal Energy	112.53kWh
System Usable Energy(kWh@90%DOD) <sup>[1]</sup>	101.28kWh
Nominal Voltage	358.4V
Operating Voltage Range	313.6~403.2V
Combination Method	1P112S
Charge and Discharge Current (A) <sup>[2]</sup>	157A
Discharge Depth	Max100%(Suggestion 80%)
IP Rating	IP54
Anti-corrosion Grade	C3(Optional C5)
Installation	Outdoor,floor-mounted
Cooling Method	Intelligent Air Cooling
Operating Temperature	-30~55°C (derating above 45°C)
Storage Temperature	0~35°C
Display Mode	Green light: system running / Red light: system alarm
Communication Interface	CAN; RS485
BMS Communication Method	CAN
Operating Humidity	≤90%(non-condensing)
Operating Altitude	≤2000m
Cycle Life <sup>[3]</sup>	≥8000 Cycles (25°C , 0.5C/0.5C, 90%DOD, 70%EOL)
Warranty <sup>[4]</sup>	5+5 years
Dimension (W*D*H)	915*1287*2085mm
Weight	1342kg
Cumulative Discharge Energy	180.7MWh
Certification	MSDS, UN38.3

[1] DC usable energy, test conditions: 25°C±2°C, 0.5C charge & discharge, 90% DOD. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Battery cell life standard, using cells that meet the requirements of this standard.

[4] Conditions apply, refer to Dawnice Warranty Agreement.

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