

**LYNXSUN**  
POWER STATION

Energy  
Residential **2023**

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# Battery Module

Flexible customization of dimensions  
Stable performance, maintenance free.

-The battery module consists of single LFP cells, wire, BMS and metal container

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- Packing with single cell container, fire retardant wire and copper connecting bar, stable and safe
- 19 inches metal module container rack, simple installation and expand capacity by parallel
- Built-in BMS, with battery voltage, current, temperature and health management



# LYNXSUN

POWER STATION

5000(Stack)~30000(Stack)

Home energy battery——Battery module specification



Module	LYNXSUN-5000(Stack)	LYNXSUN-10000(Stack)	LYNXSUN-15000(Stack)	LYNXSUN-20000(Stack)	LYNXSUN-25000(Stack)	LYNXSUN-30000(Stack)
Product Power	5.12Kwh	10.24Kwh	15.36Kwh	20.48Kwh	25.6Kwh	30.72Kwh
Nominal voltage	51.2V					
Nominal capacity	100Ah	200Ah	300Ah	400Ah	500Ah	600Ah
Cell type	LiFePO4 Battery ( Grade A : EVE、BYD、CATL)					
Charging voltage	56.0V-58.4V					
Discharging voltage	40.0V					
Rated Charge Current	20A					
Max Charge Current	100A					
Rated Discharge Current	50A					
Max Discharge Current	100A					
Charge temperature range	0 ~ 55°C					
Discharge temperature range	-5 ~ 55°C					
HMI	Blue light\LCD					
Communication interface	RS485/CAN、RS232、RS485					
Cycle life	≥ 6000 Cycles					
IP Grade	IP20/Indoor application					
Installation	Stacked structure design					
Connection method	Quick plug					
Dimensions (L*W*Hmm)	477*480*187	477*480*374	477*480*561	477*480*748	477*480*935	477*480*1122
Weight(about)	45Kg	90Kg	135Kg	180Kg	225Kg	270Kg
Accessories	Movable Base / M8 Parallel Line(30cm) / RS485 Communication Line					

# Features

Dimension 477*480*187	Intelligent protection BMS	Cycle life ≥6000 Cycles
Max capacity 5.12KWH/pc	Cell type LiFePO4	Extend module Increase capacity

High cycle, high power, high capacity

Custom flexible

**Performance**

**Stack**

**Technology**

**Safety**

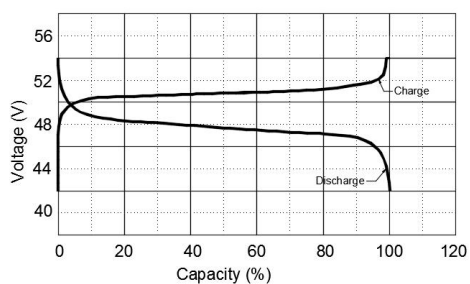
Reduce cost, increase life span

BMS: dynamic monitor, state evaluation

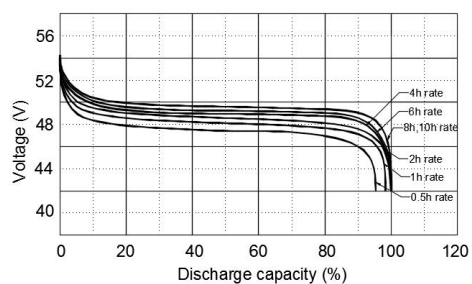


## Battery module performance Curve

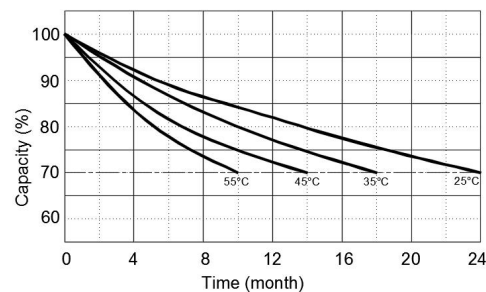
Charge & Discharge curve with 0.5C @ 25°C



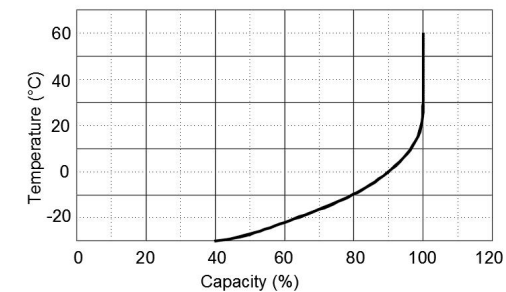
Discharge performance with different rate @ 25°C



Self-discharge @ different temperature



Discharge capacity with different temperature @ 0.5C



# Interface description

No.	Item	Description
1	Battery +	Terminal Output
2	On/OFF	DC output
3	Battery -	Terminal Output
4	Power Indication	Power Indication
5	Reset	Reset
6	RUN	LED display
7	ALM	LED display
8	Address	Battery address
9	SOC	LED display
10	Dry Contact	Dry Contact
11	RS485/CAN	RS485/CAN
12	RS232	RS232
13	RS485	RS485

