

LiFePO4 Lithium Battery

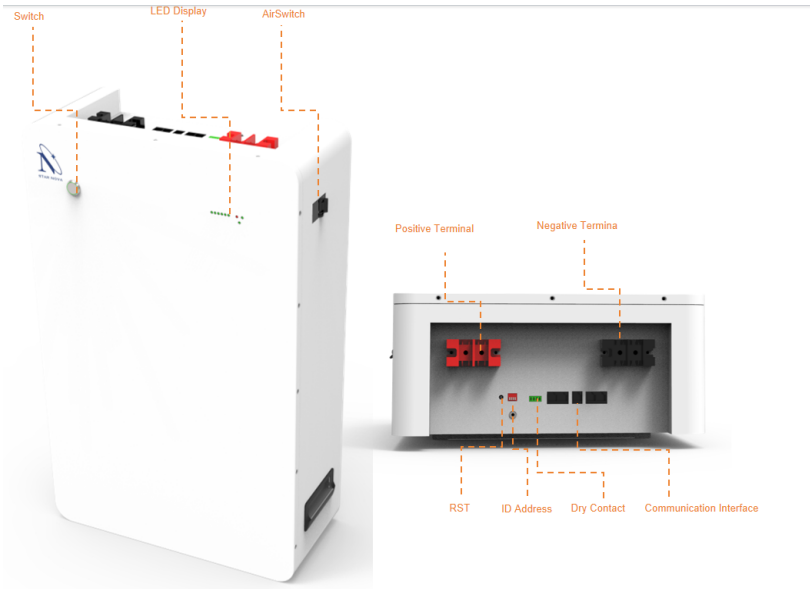
51.2V100Ah-5.16kWh



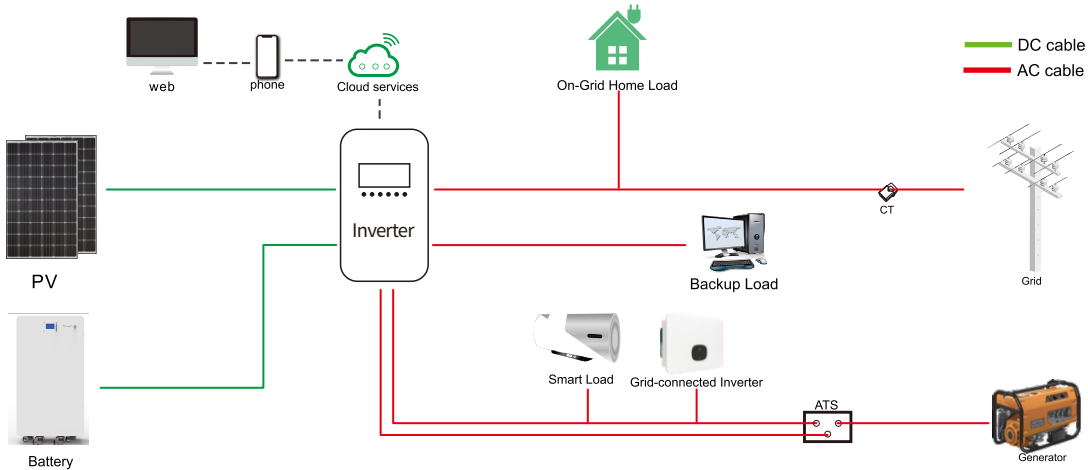
Product Features

- Ultra high safe LiFePO4 battery
- Built-in BMS for multiple protection & longer lifespan
- Active balancing function and lower self-consumption
- Lightweight module design for fast installation & easy maintenance
- Parallel up to 16 modules for flexible capacity extension.
- Wide temperature range for more application scenes.

Panel Printing Description



System Connection Diagram



Product Parameters

LFP-5.16KWh

Item	Parameters
Performance Parameter	
Energy	5.16kWh
Battery Type-Chemistry	LiFePO4
Normal Voltage	51.2V
Normal Capacity	100Ah
Dimensions(LxWxH)	655*420*185mm
Weight(Approx.)	60KG
Operating Voltage Range	43.2V-57.6V
Recommend Charge Voltage	56.0V±0.2V
Max Charge Voltage	58.4V±0.2V
Recommend Charge Current	150A
Max Continuous Charge Current	150A
Recommend Discharge Voltage	44.8V±0.2V
Max Discharging Voltage	43.2V±0.2V
Max Continuous Discharge Current	150A
Peak Discharge Current	200A (100ms)
Internal Resistance	<25mΩ
Efficiency – Round Trip	>97%
Self Discharge Per Month	<3%
Max Parallel Connectors	16Pcs
Altitude	≤4000m
Humidity	5%-95%

Function Description

Installation Type	Upright
Terminal Type	Screw fixatiaon
Case Material	SPCC
BMS Build-in	Yes
Series Connections	Not Allowed
Bluetooth(App)	Optional
LCD Screen	Yes
Heating Function	Optional

Working Condition

Cycle Life(0.5C,25°C@90%DOD)	>6,000 cycles
Discharge Temperature	-20°C to 70°C
Charge Temperature	-5°C to 65°C
Storage Temperature	0°C to 30°C

APPLICATIONS

