



## Energy Storage Backup Rack Mounted Lithium Battery 51.2V 2.56Kwh 5.12Kwh

### Basic Information

- Place of Origin: China
- Brand Name: XWELL
- Certification: UN38.3,MSDS,UL,CB,BIS,PSE,GB4943.1 safety standard, CE, FCC, ROHS, battery UN38.3, MSDS, UL, CB, BIS, PSE
- Model Number: XW-2560W-1
- Minimum Order Quantity: 1 pcs
- Packaging Details: Carton
- Delivery Time: 7-10 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 pcs per month



### Product Specification

- Battery Voltage: 51.2V
- Battery Capacity: 5.12kwh
- Battery Cell: LiFePO4 Battery
- Battery Discharge Current: 50A
- Standard Charge Voltage: 54.6V
- Max Charge Current: 50A
- Discharge Cut-off Voltage: 42.5V
- Display: LCD Optional
- Communication Interface: RS485, RS232, CAN
- Cycle Life: >6000 Cycles(80%DOD)
- Highlight: **Energy Storage Rack Mounted Lithium Battery, 51.2V Rack Mounted Lithium Battery, 2.56Kwh rack mount lithium battery**

## Product Description

### 51.2V 2.56Kwh 5.12Kwh 10.24Kwh Packs Backup Energy Storage Lifepo4 Rack Mount Lithium Ion Batteries Solar Battery

#### ESS Lithium Battery

By storing energy during the day and meeting the needs of household appliances at night, we can save your electricity costs and save energy and environmental protection;

As an emergency backup power source for households, providing power support in case of power outages or other emergency situations.

Supporting parallel connection of multiple batteries

When your home has a high demand for electricity, we support up to 15 batteries in parallel to provide you with sufficient power support and solve your electricity problems.

When several batteries are stacked together, we will provide you with bracket products to ensure the safe and beautiful use of the product.

#### Features of ESS Lithium Battery

Monitor Digital Display

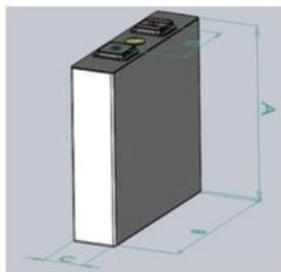
Battery is with digital display which allow users to monitor voltage of each serial of cells, battery's rated voltage and capacity, temperatures and BMS parameters etc.

If without master control, it support max. 15 parallels for highest 153.60Kwh battery system; If with standard master controls, it can be paralleled and serialized with more batteries.

#### Industrial And Commercial Energy Storage System Specification

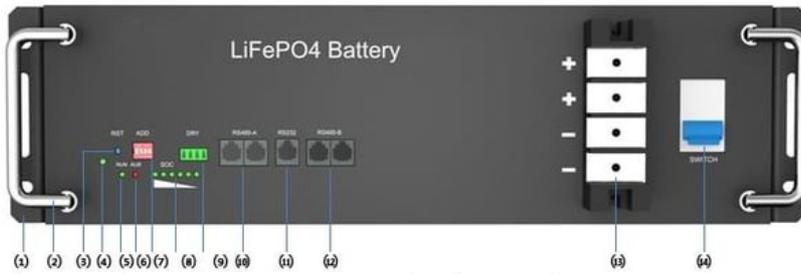
Model	51.2V50Ah	51.2V100Ah	51.2V200Ah
Nominal voltage	51.2V		
Nominal capacity (kwh)	2.56	5.12	10.24
Cell type	LiFePO4		
Standard charge voltage	54.6V(adjustable)		
Max charge current	50A		
Discharge cut-off voltage	42.5V(adjustable)		
Max discharge current	50A		
Display	LCD(Optional)		
Communication interface	CAN/RS485/RS232		
Cycle life	>6000 Cycles (80%DOD)		
Charge temperature range	0~45°C		
Discharge temperature range	-20~60°C		
Color	Black		
Dimension (mm)	442x410x133 3U	442x410x177 4U	550x442x220 5U
Weight	About 35Kg	About 42Kg	About 84Kg
Installation method	Rack Mount		

#### Cell Specification of ESS Lithium Battery



#	Item	Parameter
A	Height	119±1.0 mm
B	Width	160±1.0 mm
C	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

#### Operation Panel of ESS Lithium Battery

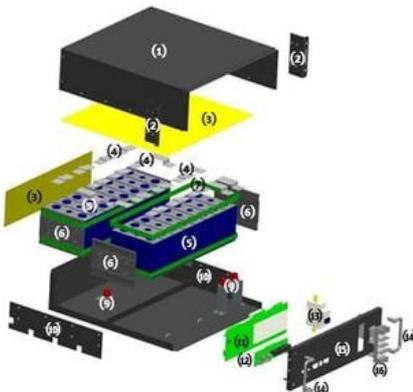


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)	Comm. Port	RS485+RS232
(4)	On/Off Indicator	turn on/off green and indicate battery on/off	(11)	Comm. Port	RS232
(5)	Working Indicator	turn on green and indicate normal operation	(12)	Comm. Port	RS485+RS232
(6)	Alarm Indicator	turn on red when there is alarm or failure	(13)	Terminal Bar	charge and discharge terminal
(7)	DIP Switch	define battery IP for parallel connection	(14)	DC Switch	turn battery on/off

### Size of ESS Lithium Battery



### Structure of ESS Lithium Battery



#	Item	Material
(1)	Case Cover	SPCC
(2)	Case Hanger	SPCC
(3)	Insulation Sheet	Ethoxyline
(4)	Bus-Bar	Aluminum Alloy
(5)	Battery Cell	LFP, Aluminum Shell
(6)	Module Side Plate	ABS / PC
(7)	Cell Binding Loop	Plastic Steel
(8)	Case Bottom	SPCC
(9)	Insulating Wiring Terminal	Bakelite
(10)	Side Plate Combination Board	SPCC
(11)	BMS	PCB
(12)	Commination Board	PCB
(13)	DC Switch	/
(14)	Handle	Sherardized SPCC
(15)	Case Front Cover	SPCC
(16)	Terminal Bar (+ & -)	/

### Application of ESS Lithium Battery

## Application Scenario



Data Center



C&I Park



Telecom Base



Medical Equipment

### Our services

1. Your inquiry related to our products price will be replied in 24 hours.
2. Experienced staffs to answer all your enquiries in fluent English
3. We make the OEM and ODM service for more than 5 years
4. Protection of your sales area, ideas of design and all your private information.
5. No matter big order or small order, we will provide all the best quality, best service.
6. If our products have any problem that we caused, they will be sent free in the next order.



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