



Rack Mount ESS Lithium Battery , Lifepo4 Solar Battery For Commercial Industrial

Basic Information

Place of Origin: ChinaBrand 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 pcsPackaging 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

Charge Voltage: 51.2V Charge Capacity: 5.12kwh

Cell: LiFePO4 Battery

Max 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: Rack Mount ESS Lithium Battery,

Solar ESS Lithium Battery, Commercial Lifepo4 Solar Battery

Product Description

10.24Kwh 51.2V 200Ah Rackmounted Lithium LFP Battery Solar ESS Lithium Battery for Commercial Industrial Use

Advantages of ESS Lithium Battery

- 1. Assemblly freely in series or parallel
- 2. High energy efficiency: Energy efficiency (charge and discharge) > 97%
- 3. High Rate Charge & Discharge: Nominal 0.6C, Max 0.8C
- 4. More Safety: Dual hardware & Triple software protection
- 5. Safe and Reliable BMS:Relay design instead of mosfet
- 6. Long Life:Reliable LFP cells,Cycle life >6000 cycles
- 7. High Reliability: Key devices (Relay, Fuse) approved by CE and TUV
- 8. More Smart: With digital monitor system App with WIFI
- 9. Smart Design & Easy installation:Plug in & off
- 10. More Quiet: Without fan, more quiet and reduce the fan failure risk

Features of ESS Lithium Battery

Monitor Digital Display

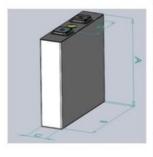
Battery is with digital display which allow users to monitor voltage of each serial of cells, battery's rated voltage and capacity, temperatures and BMS parameters etc.

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 serialed with more batteries.

Industrial And Commercial Energy Storage System Specification

NAI - I	E4 0\/E0 Al-	51.2V100Ah	E4 0) (000 A l-		
Model	51.2V50Ah	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	-20~60°C				
range	20 00 0				
Color	Black				
Dimension (mm)	442x410x133	442x410x177	550x442x220		
Dimension (mm)	3U	4U	5U		
Weight	About 35Kg	About 42Kg	About 84Kg		
Installation method	Rack Mount				

Cell Specification of ESS Lithium Battery



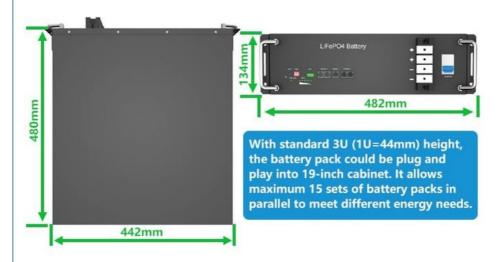
#	Item	Parameter
A	Height	119±1.0 mm
В	Width	160±1.0 mm
c	Thickness	≤ 50 mm
D	Tabs Distance	97±0.5 mm

Operation Pannel of ESS Lithium Battery

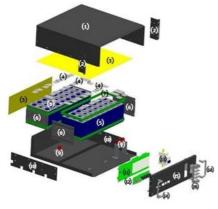


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)	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	1
(14)	Handle	Sherardized SPCC
(15)	Case Front Cover	SPCC
(16)	Terminal Bar (+ & -)	1

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.



XWELL GUANGDONG XWELL TECHNOLOGY CO., LTD.



+86 18620492985



sales@esslithiumbattery.com



esslithiumbattery.com

Room 322, Building 3, No. 801, Qiaoxing Avenue, Xiaoluo Village, Shatou Street, Panyu District, Guangzhou,