USER MANUAL ATTS-256100 Lithium Battery

Contents

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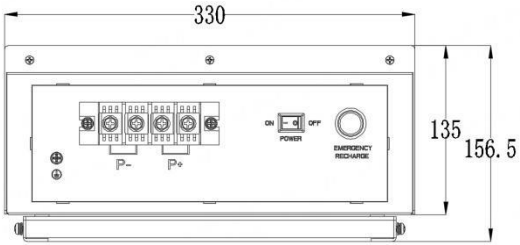
١ Product Overview

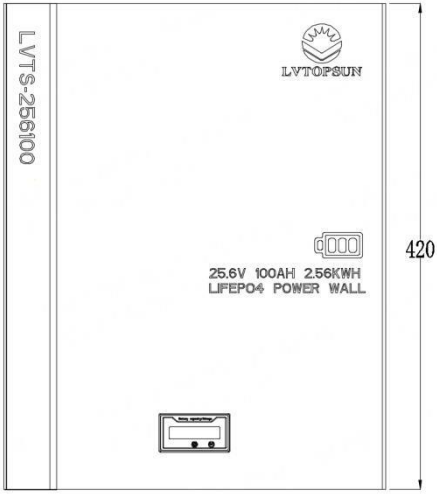
ATTS-256100 is a 25.6V 100Ah Lithium battery that can be rack mounted or wall mounted, **ATTS-256100 is not suitable for life-sustaining medical devices.**

١,١ Appearance

1.1.1 Rack mounted ATTS-256100

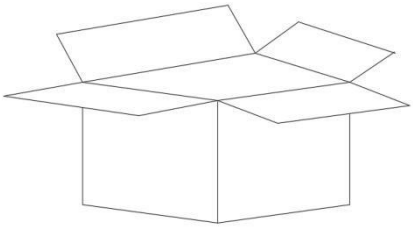


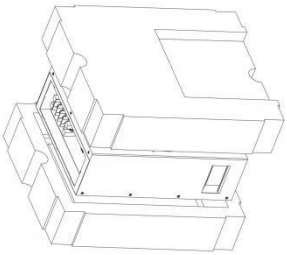
1.1.2 Wall mounted ATTS- 256100

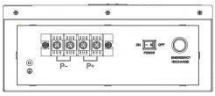
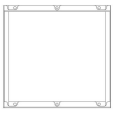


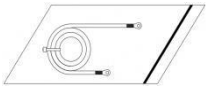
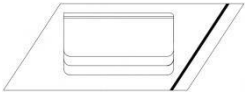
۲ Installation Guide

۲,۱ Checking Deliverables

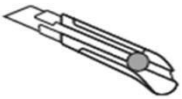
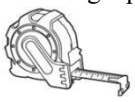
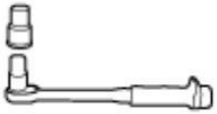
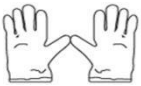




NO.	Pictures	Quantity	Description
1		1 pcs	Battery
2		4 pcs	Battery hanging bolt
3		4 pcs	Battery hanger
4		1 pcs	Bracket
5		4 pcs	Expansion Bolt

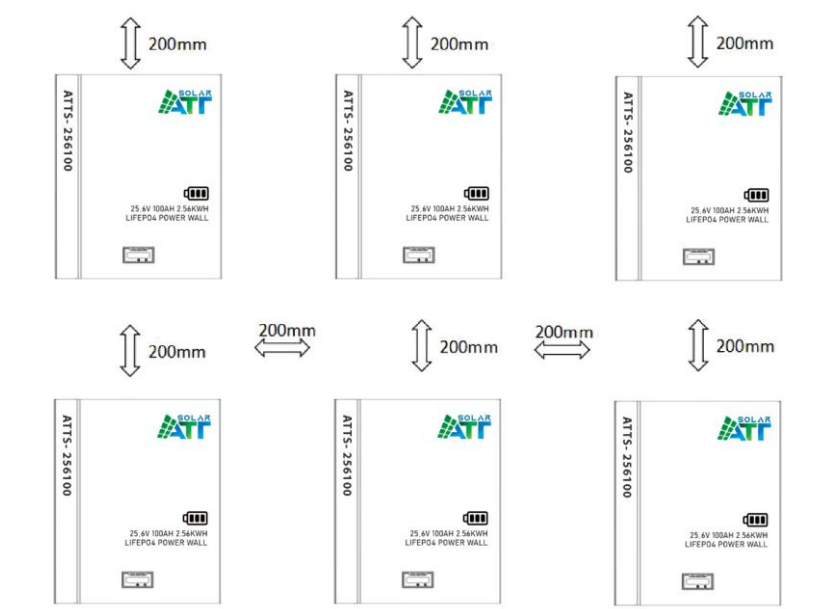
6		2 pcs	Bottom Wall Bracket Bolt
7		1 pcs	ground lead
8		1 pcs	Instruction book

۲,۲ Tools

Tools			
Installation	Knife 	Measuring tape 	Socket wrench  (10/16mm)
	Hammer 	Cross Screwdriver 	Hammer drill 
Protection	ESD gloves 	Safety goggles 	Safety Shoes 

۲,۳ Installation Instructions

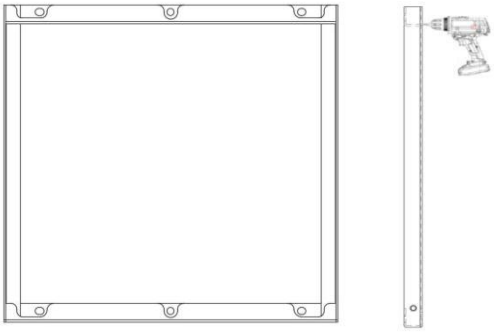
Minimum mounting distance requirement: (Wall Mounted)

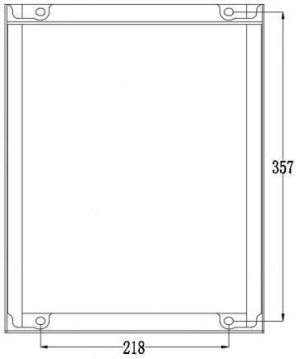


2.3.1 Installation Step

Step 1

Drill holes in the wall according to cardboard.



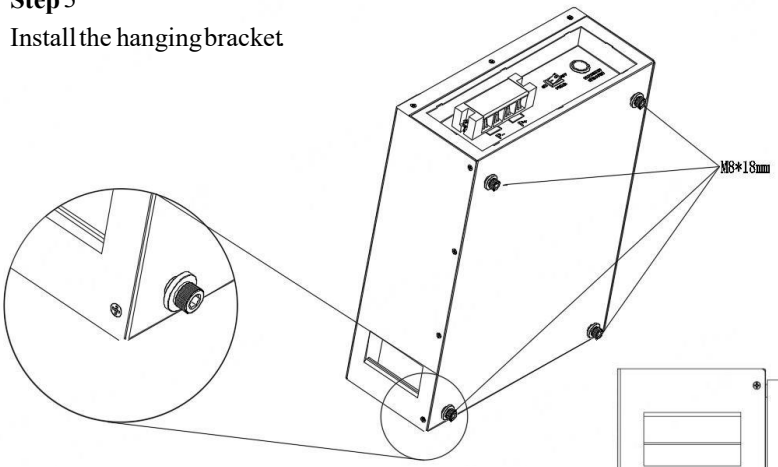


Step 2

Fix top & bottom wall brackets to the wall.

Step 3

Install the hanging bracket

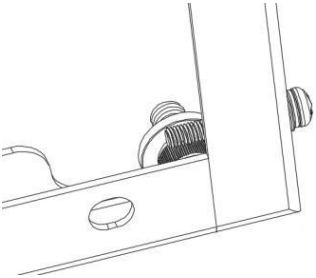


Step 4

Hang ATTS-256100 battery on wall brackets.

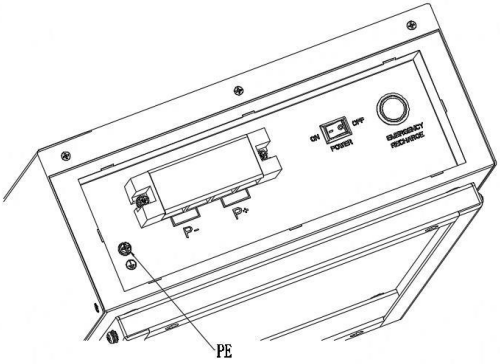
Step 5

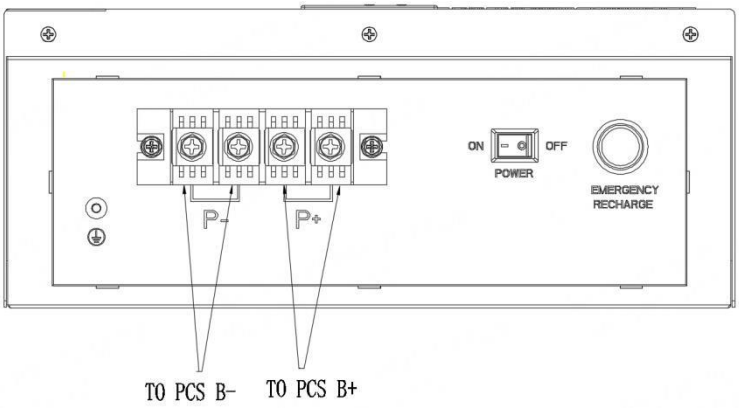
Install 2 pcs bottom bracket bolt.



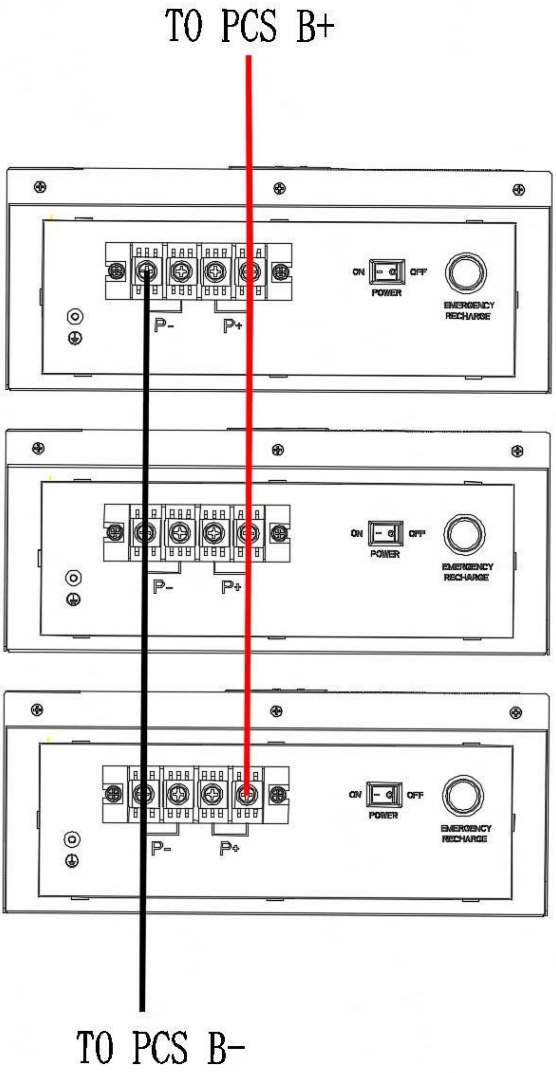
Step 6

Connect PE cable & power cable.





Step 7 Refer to the following diagram when multiple batteries are connected in parallel:



۳ Technical Specifications

Basic Project		Parameter
Nominal Voltage		25.6V
Nominal Capacity		100Ah
Nominal Energy		2560Wh
Charge Voltage		28.08V
Charge Current		50A
Discharge Voltage Range		22.8V~28.08V
Discharge Current		100A
Short Circuit Current		~2000 A
Communication Mode		/
Working Temperature	Charge	0°C~45°C
	Discharge	-10°C~55°C
Storage Temperature	Short Term (within 1 month)	-10°C~45°C
	Long Term (within 1 year	0°C~35°C
Storage Humidity		<95% RH
Cell Type		LiFePO4, Lithium Iron Phosphate
Size		H420*W330*D135(mm)
Weight		25.8 KG (Wall Bracket Included)
IP Level		IP20
Cycle life		6000 Cycles @ 80% DOD/25°C/0.5C, 60% EOL

٤ Maintenance

٤,١ Recharge Requirements During Storage

Batteries should be stored in temperature between -١٠℃～ +٤٥℃, and recharged regularly according to the following table with 0.2C (20A) current to 50% SOC after long time storage.

Recharge requirement during storage

Storage Temperature	Storage Relative Humidity	Storage Time	SOC
Below -١٠℃	/	Not Allowed	/
-١٠～٠℃	5%~70%	≤١ months	٣٠٪≤SOC≤٦٠٪
٠～٢٥℃	5%~70%	≤١٢ months	٣٠٪≤SOC≤٦٠٪
٢٥～٣٥℃	5%~70%	≤٦ months	٣٠٪≤SOC≤٦٠٪
٣٥～٤٥℃	5%~70%	≤١ months	٣٠٪≤SOC≤٦٠٪
Above ٤٥℃	/	Not Allowed	/

٤,٢ Recharge Requirements When Over Discharged

Please recharge over discharged (90% DOD) batteries according to the following table, otherwise over discharged battery will be damaged.

Recharge requirement when battery is over discharged

Storage Temperature	Storage Time	Note
-١٠～٢٥℃	≤١٥ days	Battery disconnected from PCS
٢٥～٤٥℃	≤٧ days	
-١٠～٤٥℃	< 12 hours	Battery connected to PCS

Attention：Disposal of batteries should follow local regulations.

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