Wall-Mounted Battery Pack

Project Proposal A1

An quan

2020.12.16

Version	Update Record	Date	Apr
A0	**Preliminary Proposal**	**2020.08.26**	**An quan**
A1	**Add installation guide**	**2020.12.11**	**An quan**
A2	Stay tuned for the release of a wall-mounted integrated home energy storage power supply.		

Product introduction

Introduction:

Adopts LFP chemistry battery with safety performance and long life time ,which offers you four capacities to meet your more requirements. It have very good feature As bellow :

1、Compact size & Light weight

2、 High power output & Usable energy system

3、Modular design & Expandable system

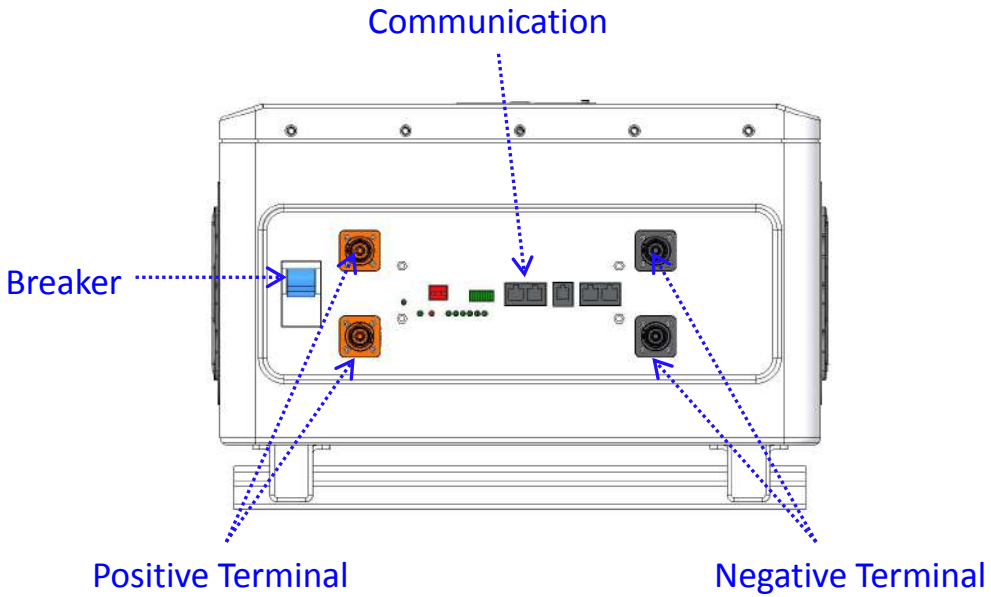
4、Safest battery & Perfect compatibility

5、Natural Cooling & Easy Installation

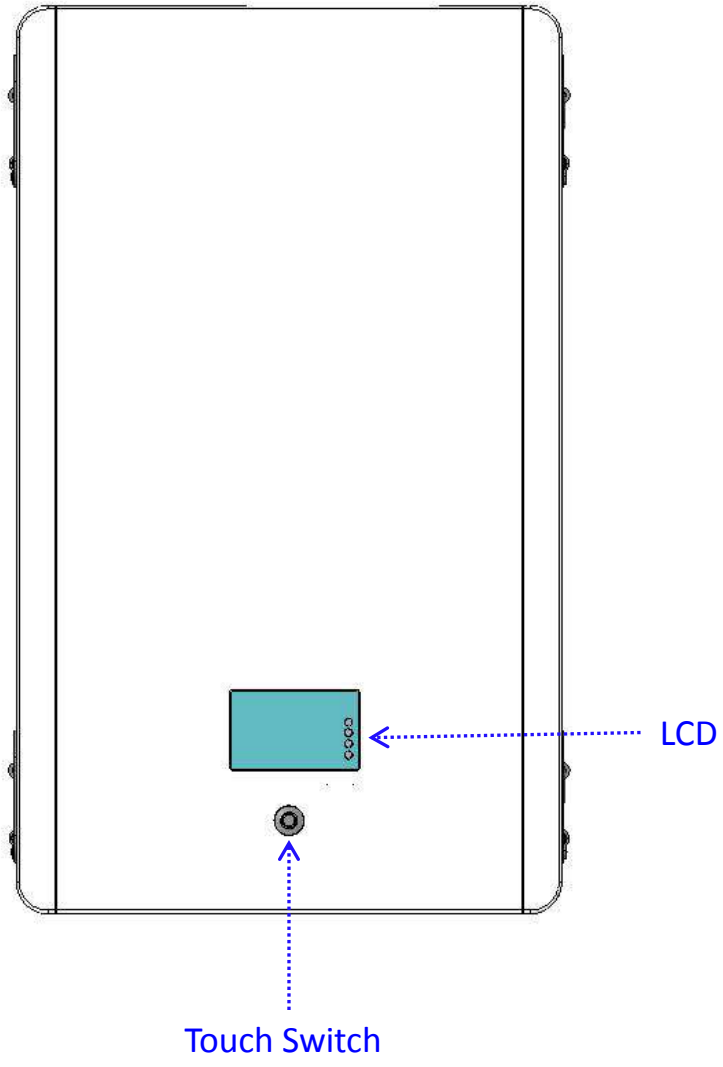
1、Powerbox-5.0

Items		Specification description
Basic information	Battery Type	LiFePO4
	Rated Voltage [V]	51.2
	Rated Capacity [Ah]	100
	Rated Battery Energy[kWh]	5.1
	Minimum Battery Energy[kWh]	4.9
	Max Output Power[kW]	5.0
	Max Continues Output Current [A]	100
	Max Continuous Charge Current[A]	50
	Limiting current[A]	20A，Software startup
	Net Weight System[Kg]	57.5
	Dimension of Cabinet[mm]	W/445×600/H×259/D
	Working Voltage[V]	43.2~58.0
	Operating Temperature range[℃]	Charging: 0°C ~ 50°C； discharging：-20~55℃
	Communication	CAN/RS485
	Scalability[kWh]	Up to 75
	Compatible Inverters	Please inquire the manufacturer
	Heat Management	Natural Cooling
	Warranty	3 years
	Color	White
	Monitoring &protection	Each module has BMS
	Pros	Can be used both off-grid and hybrid setups, compact size, modular expansion, easy installation
	Certification & Safety Standard	/

1.1 Port Description



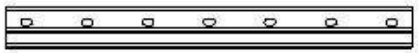
* Space Requirement



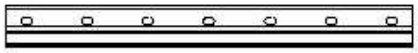
1.2 Mounting

Step 1:Tools required for installation.
Step 2:Screw the wall bracket on the wall.
Step 3:Place the inverter on the wall mounted bracket by holding the handle on the side.

Each beam is fixed with 2pcs M6 expansion bolts.



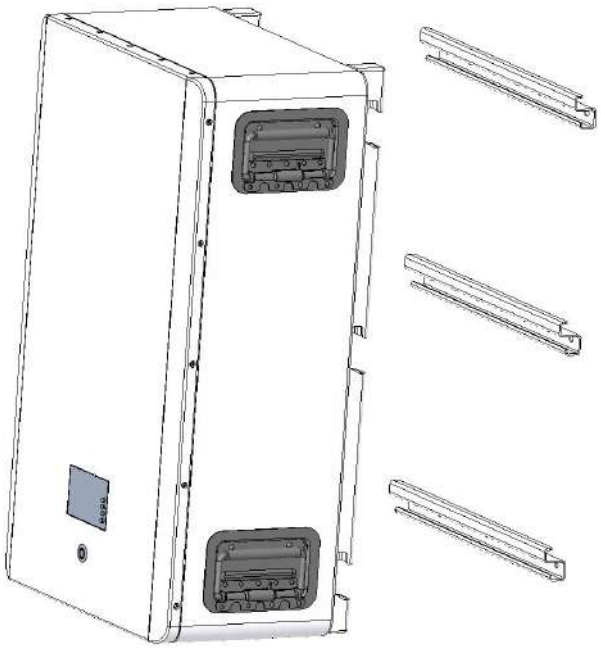
First fixed beam/2pcs



Second fixed beam/2pcs

Third fixed beam/2pcs

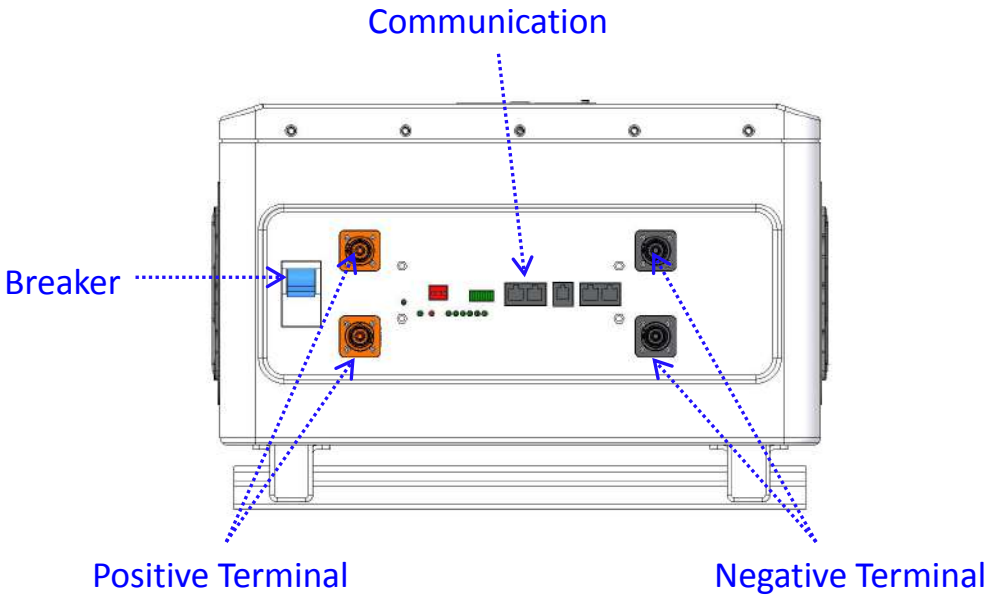
Install the inverter back connection mechanism with the fixed beam.

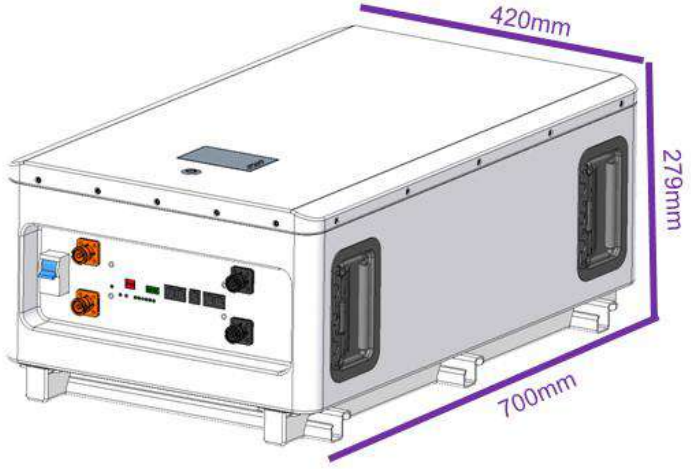


2、Powerbox-10.0

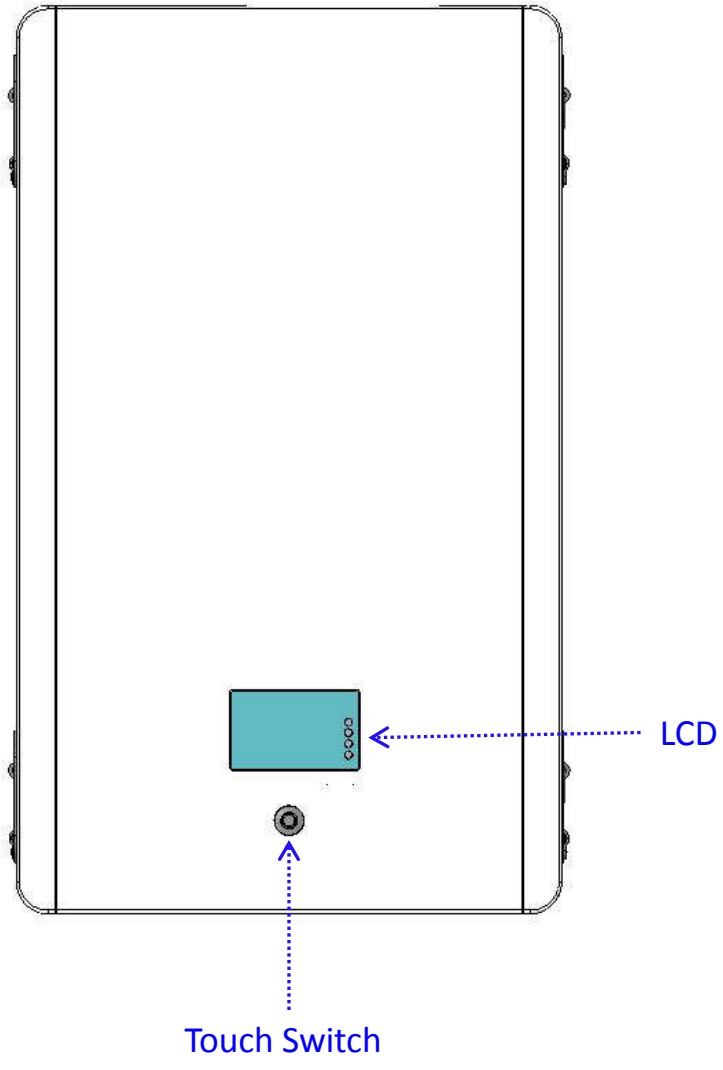
Items		Specification description
Basic information	Battery Type	LiFePO4
	Rated Voltage [V]	51.2
	Rated Capacity [Ah]	200
	Rated Battery Energy[kWh]	10.2
	Minimum Battery Energy[kWh]	10.0
	Max Output Power[kW]	5.0
	Max Continues Output Current [A]	100
	Max Continuous Charge Current[A]	80
	Limiting current[A]	20A， Software startup
	Net Weight System[Kg]	86.5
	Dimension of Cabinet[mm]	W/420×700/H×279/D
	Working Voltage[V]	43.2~58.0
	Operating Temperature range[℃]	Charging: 0°C ~ 50°C； discharging：-20~55℃
	Communication	CAN/RS485
	Scalability[kWh]	Up to 150
	Compatible Inverters	Please inquire the manufacturer
	Heat Management	Natural Cooling
	Warranty	3 years
	Color	White
	Monitoring &protection	Each module has BMS
	Pros	Can be used both off-grid and hybrid setups, compact size, modular expansion, easy installation
	Certification & Safety Standard	/

2.1 Port Description





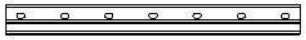
* Space Requirement



2.2 Mounting

Step 1:Tools required for installation.
Step 2:Screw the wall bracket on the wall.
Step 3:Place the inverter on the wall mounted bracket by holding the handle on the side.

Each beam is fixed with 3pcs M6 expansion bolts.

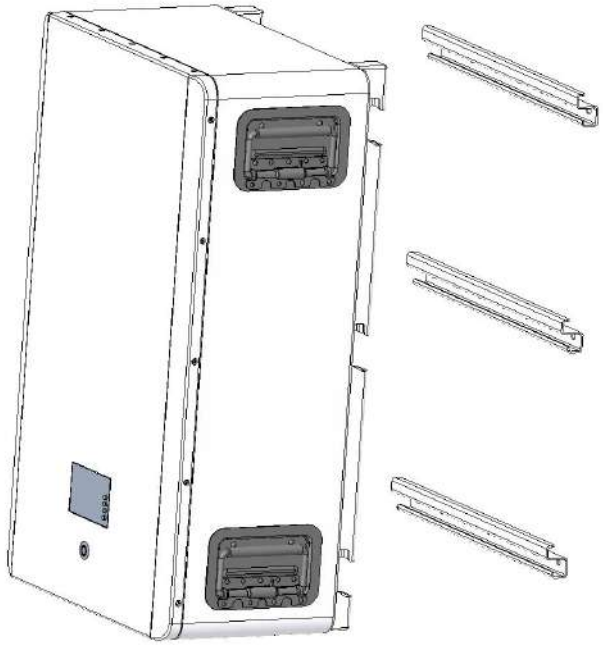


First fixed beam/3pcs

Second fixed beam/3pcs

Third fixed beam/3pcs

Install the inverter back connection mechanism with the fixed beam.



Thanks!