AUXSOL

HIGH VOLTAGE BATTERY

User Manual



Carefully read this user instructions before using. Read and save these instructions.



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1. Product Introduction

AUXSOL ENERGY storage high voltage stacker can provide a variety of operating modes according to different needs, self-generation, peak-shaving, battery priority, etc.

1.1 Scope of application

This manual is intended for the following devices:

- · ABL-P05H-H02, Battery pack module
- ABL-BDU-H02, BDU (Battery energy distribution unit)

2. Safety Instructions

2.1 Interpretation of the logo

0,	Zeod. prien
\wedge	There are potential hazards when the equipment is in operation, so please take precautions when operating the equipment.
4	High voltage exists when the equipment is in operation, so when operating the equipment, make sure the equipment is powered off.
®	The equipment should be kept away from open flames or sources of ignition.
A	At the end of the equipment's life, do not dispose of it with household waste.
	Please use the equipment reasonably, extreme conditions of use, the equipment has the risk of explosion.
	Observe enclosed documentation.
	Protective gloves must be worn.
((CE certification mark.

2.2 Precautions/Environmental Requirements

When installing, operating and maintaining the equipment, please read this manual and follow all safety precautions marked on the equipment and in the manual.

The "NOTICE", "CAUTION", "WARNING" and "DANGER" items in this manual do not represent all safety items to be observed. They are in addition to all safety precautions. AUX shall not be liable for any violation of the general safety requirements or for any violation of the safety standards for the design, manufacture and use of the equipment.

The equipment should be used in an environment that conforms to the design specifications; otherwise, equipment failure may result, and the resulting abnormal functioning of the equipment or damage to components, personal safety accidents, and property damage are not covered by the equipment warranty.

Local laws, regulations and codes should be observed when installing, operating and maintaining the equipment. The safety precautions in the manual are intended only as a supplement to local laws and regulations and norms.

Lifting or lowering the system carries the risk of injury. The battery is heavy. There is a risk of injury if the battery is not lifted or dropped properly during transport or during installation or removal. Two or more people must lift and transport the battery.

2.3 Risk factors

Risks of explosion:

- · Do not subject the battery module to heavy impacts;
- · Do not crush or puncture the battery module;
- Do not dispose of the battery module in a fire.

Risks of fire:

- Do not expose the battery module to temperature exceeding 140° F (6° C);
- Do not place the battery module near a heat source, such as a fireplace;
- · Do not expose the battery module to direct sunlight;
- Do not allow the battery connectors to touch conductive objects such as wires.

Risks of electric shock:

- · Do not disassemble the battery module;
- Do not touch the battery module with wet hands;
- Do not expose the battery module to moisture or liquids;
- · Keep the battery module away from children and animals.

Risks of damage to the battery module:

- · Do not expose the battery module to liquids;
- · Do not subject the battery module to high pressures;
- · Do not place any objects on top of the battery module;
- It shall be protected from the sun and rain.

2.4 Response to Emergency Situations

Leaking Batteries

In case the leakage of electrolyte solution occurs, please avoid direct contact with the electrolyte solution and the gas that may be generated by it. Direct contact may lead to skin irritation or chemical burns. If the user comes into contact with the electrolyte solution, please do as follows:

Accidental inhalation of harmful substances:

Evacuate from the contaminated area, and seek medical attention immediately.

Eye contact:

· Rinse eyes with flowing water for 15 minutes, and seek medical attention immediately.

Dermal contact:

· Wash the affected area thoroughly with soap and water, and seek medical attention immediately.

Ingestion:

· Induce vomiting, and seek medical attention immediately.

Fire:

· Please keep a Class ABC fire extinguisher or a carbon dioxide extinguisher near the equipment.



If a fire breaks out where the battery module is installed, please do as follows:

- Extinguish the fire before the battery module catches fire;
- If the battery module catches fire, please do not try to put out the fire, and evacuate immediately.

Wet Batteries and Damaged Batteries

- Do not touch the battery module after being wet from and soaked in the water.
- Do not use the battery module if it is damaged. Otherwise, the loss to life and property will be caused.
- · Please pack the battery in its original packaging, and return it to our company or the distributor.

2.5 Notes

The operation of transportation, turnover, installation, wiring and maintenance shall meet the laws, regulations and related standards of the country and region where it is located.

The user's own materials and tools required for operation must meet the laws and regulations and related standards of the country or region where they are located.

Permission must be obtained from the power department of the country or region in which the system is located before it can be connected to the grid.

You should be fully familiar with the composition and working principle of the whole grid-connected photovoltaic power generation system and the relevant standards of the country/ region where the project is located.

Reverse engineering, decompiling, disassembling, adapting, implanting or other derivative operations of the equipment software are prohibited. It is not allowed to study the internal implementation of the equipment, obtain the source code of the equipment software, steal intellectual property rights, etc. in any way, nor shall the results of any equipment software performance test be disclosed.

2.6 Personnel requirements

Personnel responsible for the installation and maintenance of LP equipment must first be strictly trained to understand various safety precautions and master the correct operation methods.

Only qualified professionals or trained personnel are allowed to install, operate and maintain the equipment.

Only qualified professionals are allowed to remove safety facilities and overhaul equipment.

Personnel who operate the equipment, including operators, trained personnel, and professionals should have the local state required special operating qualifications, such as high voltage operation, ascent, and special equipment operation qualifications.

Replacement of equipment or parts (including software) must be done by professionals or authorized personnel.

Description:

- Professional personnel: People who have training or experience in operating equipment and can clearly understand the various potential sources and magnitudes of hazards during equipment installation, operation, and maintenance.
- Trained personnel: A person who has received the appropriate technical training and has the
 necessary experience to be aware of the hazards that may be presented to him when performing
 a particular operation and to take measures to minimize the hazards to himself or to other
 personnel.
- Operator: A person, other than a trained person or a professional, who may come into contact with the equipment.

3. Limitation of liability

AUXSOL ENERGY is not responsible in the event of any of the following

- It does not operate in the conditions of use described in this manual.
- The installation and use environment do not comply with the provisions of the relevant international or national or regional standards.
- Unauthorized disassembly, modification of the product or modification of the software code.
- Failure to follow the operating instructions and safety warnings in the product and documentation.
- Equipment damage caused by abnormal natural environment (such as earthquake, fire, windstorm, flood, mudslide, etc.).
- Damage to equipment caused by abnormal natural environment (such as earthquake, fire, storm, flood, mudslide, etc.)
- Transportation damage caused by the customer's own transportation.
- Damage caused by storage conditions that do not meet the requirements of the product documentation.
- Damage to the hardware or data of the equipment due to customer negligence, improper operation or intentional damage.
- Damage to the system caused by a third party or the customer, including damage caused by handling
 and installation that does not meet the requirements of this manual, and damage caused by
 adjustments, alterations, or removal of identification marks that do not meet the requirements of this
 manual

4.Installation

4.1 Installation packing list of BDU

No.	Accessories	Model	Quantity
1		Anti-tilting bracket	1
2		Wall Mount Tie Rods	1
3		M6-50 hexagonal flange face expansion bolts	2
4		M5-8 Phillips countersunk head screws	4 located at the bottom of the BDU
5	0	M6 nuts	2
6		M4-20 anti-theft screws	2
7	0	Ethernet cable(3m)	1
8		High voltage connector (HV-)	1
9		High voltage connector (HV+)	1

^{*}Description: PACK without accessories.

4.2 List of operating tools

For example, protective gear that users need to prepare when installing the product.



4.3 Location and environmental requirements

The battery enclosure has an IP65 protection rating and shall be installed indoors.

The battery housing should be installed in a location free from the risk of water (standing water, submersion, etc.). The installation location must be well drained.

The product needs to be installed on a level surface.

The product uses natural cooling.

The following places are not allowed to be installed:

- In environments where the temperature is less than -202 or more than 502.
- Places where humidity and condensation exceed 95%.
- Places where salt and humid air can penetrate.
- Flooded areas.
- Earthquake areas additional safety measures are required here.
- · Locations at altitudes above 2000 meters.
- Explosive atmospheres.
- · Locations with prolonged exposure to sunlight.
- Places where the ambient temperature changes drastically.
- Humid rooms.
- · Locations with highly flammable materials or gases.
- · Locations with a potentially explosive atmosphere.

4.4 Product installation instructions

4.4.1 Installation space requirements

Installation angle

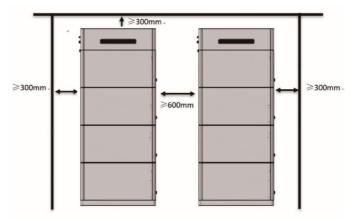
The product supports installation on the ground and with the anti-tilting device, do not tilt the product forward, horizontal, upside down, backward and sideways installation.

Installation position

If you choose other types of walls and floors, the walls and floors should meet the load-bearing requirements of the equipment, and the walls and floors where the installation is located should have fire retardant properties.

Installation space

When installing this product, make sure there is no other equipment (except for the installation of necessary equipment, masking devices) and flammable and explosive materials around, and reserve sufficient installation space as shown in the following figure (for example, the highest stacking method of this product) to ensure installation, heat dissipation, safety and other needs.



4.4.2 Precautions

The battery is heavy. There is a risk of injury if the battery is not lifted or dropped properly during transportation or during installation or removal.

Two or more people must lift and transport the battery.

When wiring the battery, it must be well protected, one person should wire and one person should supervise and check to prevent the battery short circuit accident.

The electrical connection must be complete and firm, and the installation position and direction of the CT on the grid side must be correct (the direction of the arrow of the CT faces the grid side), otherwise the current will not be detected; in addition, if you need to realize the backflow prevention, the CT should be installed on the main road of the grid.

The installer should wear protective equipment.

4.5 Product appearance diagram

4.5.1 Overall appearance diagram

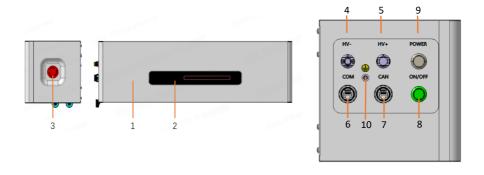
Overview of the AUXSOL ENERGY high voltage battery system



No.	Description
1	Battery energy distribution unit (BDU)
2	BDU emergency stop switch
3	BDU display panel
4	Battery pack module
5	Base
6	Explosion-proof valve

4.5.2 BDU appearance schematic

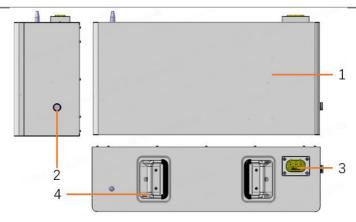
The overview of the BDU is shown as below.



No.	Description
1	Battery energy distribution unit (BDU)
2	BDU display panel
3	BDU emergency stop switch
4	HV- connector
5	HV+ connector
6	Debugging connector
7	Inverter connection socket
8	HV+/HV- power on button
9	BDU low voltage power on button
10	Ground connection point

4.5.3 Schematic diagram of battery PACK appearance

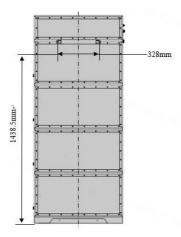
The standard capacity of a single pack module is 5 kWh.



No.	Description
1	Battery PACK module
2	PACK explosion-proof valve
3	High voltage and communication connector (one on the top and one on the bottom)
4	PACK puller

4.5.4 Installation holes on the floor

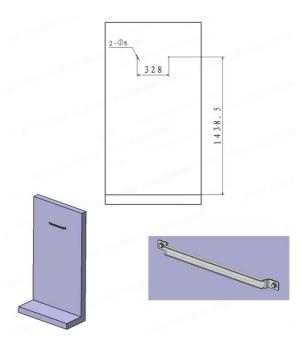
The dimensions of the installation holes for the floor-mounted anti-tip structure of this product (taking the highest stacking method of this product as an example):



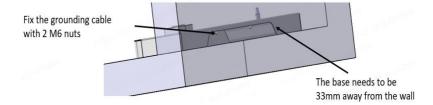
4.6 Installation steps on the floor

Step 1: Wall drilling and installation of wall ties, after selecting a suitable installation site and
reserving sufficient installation space, use a tape measure and with the level of the vertical wall
to mark a good hole, use an impact drill to drill a fixed hole of 10mm diameter, the depth of the

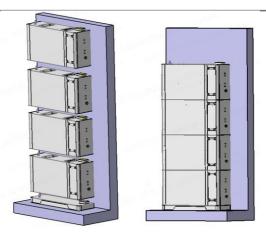
hole is at least 50mm, the expansion screw into the hole, the wall ties on one side of the wall will be installed and locked in the wall.



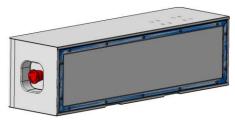
· Step 2: Ground the base.



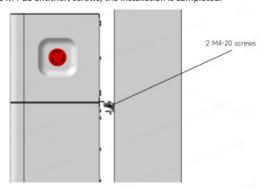
• Step 3: PACK stacking, according to the installation position of the wall-mounted ties, with the help of a horizontal ruler and marker to determine the placement of the base, PACK stacking in turn to ensure accurate positioning, tightly connected, before and after stacking.



Step 4: BDU installation anti-tip bracket, the anti-tip bracket through four M5-8 countersunk
head screws fixed in the bottom of the BDU, while paying attention to the installation direction
of the anti-tip bracket, the normal installation, the outer flip side of the bracket towards the
bottom.



 Step 5: BDU stacking and hanging anti-toppling device, the BDU installed anti-toppling bracket stacked on the PACK in step 3, to ensure accurate positioning, tightly connected at the same time the anti-toppling bracket can be inserted into the wall ties to play the role of anti-toppling, and then lock into two M4-20 antitheft screws, the installation is completed.



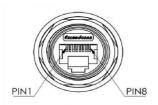
ADANGER

- · Before drilling, please make sure to avoid the pre-buried utility lines in the wall to avoid danger;
- To prevent dust from entering human respiratory tract or eyes when punching holes, personnel should wear appropriate protective gear;
- Every time you stack a PACK, you need to check the stacking position of the PACK to avoid dumping
 due to rapid stacking;
- Ensure that the switch is closed when stacking BDU at the end to avoid danger.

5. Electrical & Com. Connection

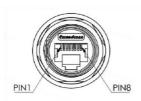
5.1 Electrical and communication interfaces

5.1.1 Communication interface (COM.)



Pins	Name	Function	Connector
1	D_CANH	Debugging CAN	RJ45
2	D_CANL	Debugging CAN	RJ45
3	/	/	/
4	CH_CANH	Inverter_CAN	RJ45
5	CH_CANL	Inverter_CAN	RJ45
6	/	/	/
7	DO output positive	DO signal	RJ45
8	DO output negative	DO signal	RJ45

5.1.2 Communication interface (CAN)



Pins	Name	Function	Connector
1	D_CANH	Debugging CAN	RJ45
2	D_CANL	Debugging CAN	RJ45
3	/	/	/
4	CH_CANH	Inverter_CAN	RJ45
5	CH_CANL	Inverter_CAN	RJ45
6	/	/	/
7	DO output positive	DO signal	RJ45
8	DO output negative	DO signal	RJ45

5.1.3 BDU Power button



Button	Function
POWER	BDU power on button

5.1.4 HV+/HV- power button



Button	Function
ON/OFF	HV+/HV- power on button

5.1.5 HV+/HV- power interface





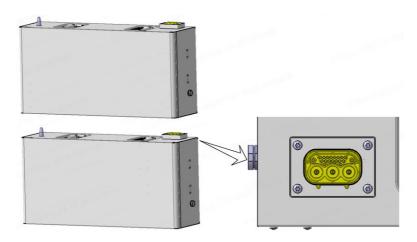
Pins	Name	Function	Remarks	Connector
1	HV-	High voltage output negative	Connect to the inverter	Quick plug
2	HV+	High voltage output positive	Connect to the inverter	Quick plug

5.2 Electrical Connection

5.2.1 PACK to PACK connection

High and low voltage mixed connector

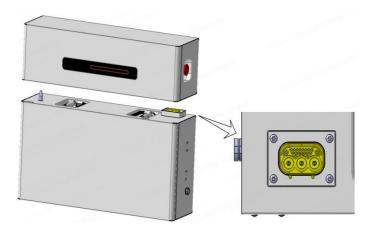
Pins	Name	Function
А	PE	Potential Equalization connection
В	PACK+	HV Power positive
С	PACK-	HV Power negative
3	TXM_LN	Daisy chain communication_ Low
4	TXM_HN	Daisy chain communication_ High
5	WAKE UP	Active BMS
6	12V-	12V power negative
11	TXP_LP	Daisy chain communication_ Low
12	TXP_HP	Daisy chain communication_ High
14	12V+	12V power positive



5.2.2 PACK to BDU connection

High and low voltage mixed connector

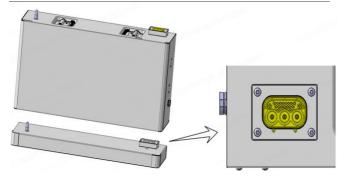
Pins	Name	Function
А	PE	Potential Equalization connection
В	PACK+	HV Power positive
С	PACK-	HV Power negative
3	TXM_LN	Daisy chain communication_ Low
4	TXM_HN	Daisy chain communication_ High
5	WAKE UP	Active BMS
6	12V-	12V power negative
11	TXP_LP	Daisy chain communication_ Low
12	TXP_HP	Daisy chain communication_ High
14	12V+	12V power positive



5.2.3 PACK to BASE connection

High and low voltage mixed connector

	0		
	Pins	Name	Function
	А	PE	Potential Equalization connection
	В	PACK+	HV Power positive
	С	PACK-	HV Power negative
	3	TXM_LN	Daisy chain communication_Low
	4	TXM_HN	Daisy chain communication_ High
•	11	TXP_LP	Daisy chain communication_ Low
•	12	TXP_HP	Daisy chain communication_ High



5.2.4 BDU-Inverter

Making BMS communication cables

To ensure the normal operation of the BMS and inverter wiring before the BMS communication cable needs to be made.

The communication cables are defined as follows:

Pins	Name	Function	Connector
1	D_CANH	Debugging CAN	RJ45
2	D_CANL	Debugging CAN	RJ45
3	/	/	/
4	CH_CANH	Inverter_CAN	RJ45
5	CH_CANL	Inverter_CAN	RJ45
6	/	/	/
7	DO output positive	DO signal	RJ45
8	DO output negative	DO signal	RJ45



Electrical connection of BDU and inverter

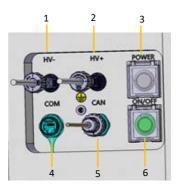
- Connect the inverter's negative quick plug to the HV- socket of the battery BDU.
- Connect the positive quick plug of the inverter to the HV+ socket of the battery BDU;
- Connect the inverter's BDU communication cable to the CAN port of BDU;



5.2.5 Switch on when system connected

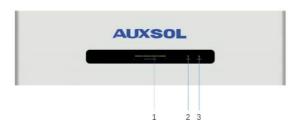
when all system connections have been made, turn "POWER" button and "ON/OFF" button on.

Point	Name	Function
1	HV-	High-voltage negative socket
2	HV+	High-voltage positive socket
3	POWER	BDU power on button
4	COM	Debugging connecktor
5	CAN	Inverter connection conneckto
6	ON/OFF	HV+/HV- Power on button



6. LED indicator description

6.1 LED display and system status



Pins	Name
1	SOC Green
2	RUN Green
3	ALM Red

System Status	RUN	ALM	SOC			
	•	•	• • • •			
Shutdown	Off	Off	Off			
Idle state	On 0.5s, off 1.5s	Off	According to the power display			
Normal operation	On	On 0.5s, off 0.5s	According to the power display			
First level alarm	On	On 0.5s, off 1.5s	According to the power display			
Second level alarm	Off	Off	According to the power display			
Third level alarm	Off	On	According to the power display			

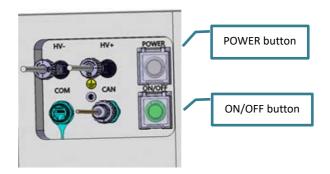
6.2 SOC lamp and capacity correspondence

Status	Charging			Dischar	ging			
Capacity indicator	•	•	•	•	•	0	•	•
SOC<25%	On 0.5s, off 1.5s	Off	Off	Off	On	Off	Off	Off
25% ≤ SOC<50%	On	On 0.5s, off 1.5s	Off	Off	On	On	Off	Off
50% ≤ SOC<75%	On	On	On 0.5s, off 1.5s	Off	On	On	On	Off
75% ≤ SOC<90%	On	On	On	On 0.5s, off 1.5s	On	On	On	On
90% ≤ SOC<100%	On	On	On	On	On	On	On	On
Operation indicator	1			(On			

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7. Battery system startup and shutdown procedure

- · Battery system startup
 - a) Press the POWER button and the indicator lights up
 - b) Long press the ON/OFF button for more than 3s
 - c) LED indicator shows the system is on running
 - d) System startup is completed
- · Battery system shutdown
 - a) Long press the ON/OFF button for more than 3s
 - b) Press the POWER button and the indicator light will go out
 - c) All LED indicator lights are off.
 - d) System shutdown is completed



8. Online monitoring

• All the battery data is uploaded to the inverter, and the monitoring is uploaded from the inverter side.

9. Routine maintenance

9.1 Daily maintenance

Please shutdown the battery system if the inverter is on off-grid status and does not work for more than three days. Please refer to the procedure of chapter 7 to shut down the system.

If the energy storage system is not used for more than three months, it is necessary to charge the energy storage battery to a full charge to avoid over-discharge due to self-consumption of the system.

The battery has a discharge depth of 85%, i.e. the system stops discharging when 15% of the power SOC remains. It is recommended to charge in time.

Product cleaning

- First, gently wipe the surface with a soft microfiber cloth to remove dust or debris.
- · Moisten the cloth with water (neutral detergent can also be added) and wring out excess water.
- · Wipe away any debris or dirt.
- Finally, wipe off all water from the surface with a dry microfiber cloth.

△ CAUTION

- The cleaning process should be carried out away from electrical connections to prevent water from getting inside the product housing, connection ports, etc.
- Do not wipe the product with reagents other than water (H2O).

9.2 General Troubleshooting

Battery communication failure:

- Failure analysis: CAN communication or 485 communication failure.
- Solution: Check if the communication line is in good contact.

Battery over-undervoltage fault:

- Failure Analysis: Voltage range is not compatible with the battery and the battery energy is insufficient.
- Solution: Check the battery voltage, PV or whether it will be charged automatically when there is grid.

Overload fault:

- Failure Analysis: The load is too large.
- Solution: Check whether the load exceeds the machine power, all down and then part of the load up.

Output short circuit fault:

- Fault analysis: There is a short circuit working condition on the load side.
- Solution: All power down, after the power indicator goes off, check whether the load is short-circuited, and then power up after troubleshooting.

9.3 Alarm description

The following alarms are recoverable alarms, please refer to the following table to process and resume operation.

Fault name	Action	Recovery conditions
Battery discharge overcurrent	Prohibition of discharge/disconnect high voltage relay	Turn off part of the load Reboot the device
Battery charge overcurrent	Prohibition of charge/ disconnect high voltage relay	Restart the device Please contact AUXSOL Energy after-sales service
Battery charge over- voltage	Prohibition of charge/ disconnect high voltage relay	Restart the device Please contact AUXSOL Energy after-sales service
Battery discharge undervoltage	Prohibition of discharge / disconnect high voltage relay	Restart the device Please contact AUXSOL Energy after-sales service
Battery discharge high temperature	Prohibition of discharge / disconnect high voltage relay	 Turn off the load of the equipment, and leave it until the battery temperature is less than 40°C 2. Please contact AUXSOL Energy after-sales service
Battery charge high temperature	Prohibition of charge / disconnect high voltage relay	Leave the battery temperature less than 40°C Please contact AUXSOL Energy after-sales service
Battery discharge low temperature	Prohibition of discharge / disconnect high voltage relay	Leave to wait for the battery temperature is greater than 2°C Please contact AUXSOL Energy after-sales service
Battery charge low temperature	Prohibition of charge / disconnect high voltage relay	Leave to wait for the battery temperature is greater than 2°C Please contact AUXSOL Energy after-sales service
Excessive battery temperature difference	Prohibition of discharge and charge / disconnect high voltage relay	1.Leave the battery temperature difference less than 4°C 2. Please contact AUXSOL Energy after-sales service
Loss of communication with Inverter	Disconnect high voltage relay	Check the connection between BDU and Inverter Please contact AUXSOL Energy after-sales service
Tandem cascade communication lost	Disconnect high voltage relay	Please contact AUXSOL Energy after-sales service
Battery pack communication lost	Disconnect high voltage relay	Check the connection between BDU and battery pack harness Please contact AUXSOL Energy after-sales service
Smoke sensor communication lost	Disconnect high voltage relay	Please contact AUXSOL Energy after-sales service
BDU overtemperature	Prohibition of charge and discharge/disconnect high voltage relay	Leave to BDU temperature less than 40°C Please contact AUXSOL Energy after-sales service
BDU main positive relay failure	Prohibition of charge and discharge/ disconnect high voltage relay	Please contact AUXSOL Energy after-sales service
Fault name	Action	Recovery conditions

BDU main negative relay failure	Prohibition of charge and discharge/ disconnect high voltage relay	Please contact AUXSOL Energy after-sales service
Pre-charge fault	Prohibit high voltage	Restart the device Please contact AUXSOL Energy after-sales service
BMS self-test fault	Prohibit high voltage	Restart the device Please contact AUXSOL Energy after-sales service
Battery temperature detection sensor failure	Prohibition of charge and discharge/disconnect high voltage relay	Restart the device Please contact AUXSOL Energy after-sales service
Cell voltage sampling line failure	Prohibition of charge and discharge/ disconnect high voltage relay	Restart the device Please contact AUXSOL Energy after-sales service
Low insulation resistance of BDU	Prohibit high voltage	Restart the device Please contact AUXSOL Energy after-sales service

10. Appendix

10.1 Technical Parameter

Battery System	ABL-T05H-H02	ABL-T10H-H02	ABL-T15H-H02	ABL-T20H-H02	ABL-T25H-H02	
	ALIXSOL	ALXBOL	ALXEGL	AUXSOL	ALXGOL	
Nominal Battery Energy (kWh)	5.3	10.6	15.9	21.2	26.5	
Usable Energy(kWh)	4.5	9.0	13.5	18.0	22.5	
Nominal Voltage (V)	102.4	204.8	307.2	409.6	512	
Voltage range (V)	86.4 ~ 115.2	172.8 ~ 230.4	259.2 ~ 345.6	345.6 ~ 460.8	432~576	
Max. Output Power (kW)	3.0	6.0	9.0	12.0	15.0	
Cell Type			LFP			
Max. Charging/Discharging Current (A)			32			
Peak Power(kWh)			7, Lasts 10s			
Peak Current(A)			35, Lasts 10s			
SOC Indicator	4*LED (25%, 50%, 75%, 100%)					
State Indicator	2*LED (work, alarm)					
Communication			CAN, RS485			
Operating Temperature (2)			-10 to +50			
Ingress Protection Rating			IP65			
Operating Humidity (RH)			5 ~ 95%			
Operating Altitude (m)			≤2000			
Calendar Life	>6000 (70%EOL)					
Dimension (W*H*D/ mm)	700*600*200	700*950*200	700*1300*200	700*1650*200	700*2000*200	
Net Weight (kg)	59	103.5	148	192.5	237	
Alarms	Over ch	narge / Over discharge	e/Over current / Over t	emperature/ Short Cir	cuit	

10.2 Contact Information

If you have any questions about this product, please contact us.

In order to provide you with faster and better after-sales service, we need your assistance in providing the following information.

•	Equipment model:					
•	Serial number of the device:					
•	Fault code / name:					
•	A brief description of the fault phenomenon:					

Version: v1.0 2024							
The manual is subject to change without notice while the product is being improved.							

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