

# **User Manual Battery Pack**

## 1. Important Safety Warnings

Please comply with all warnings and operating instructions in this instruction strictly. Read carefully the following instructions before installing the unit. Do not operate this unit before reading through all safety information and operating instructions carefully.

- Do not try to assemble or repair the unit yourself, contact your local supplier, seek for help of qualified technician
- To eliminate any overheating of the battery box, keep all ventilation openings free from obstruction and do not place any foreign objects on top of the battery bank. Keep the battery box 20 cm away from the wall.
- Make sure the battery box is installed within the proper environment as specified. (0-40°C and 30-90% non-condensing humidity)
- Do not install the battery box under direct sunlight. Your warranty will be void if the batteries fail due to overheating.
- This battery box is not designed for use in dusty, corrosive and salty environment.
- The warranty for this battery bank will be void if water or other liquid is spilled or poured directly onto the battery box. Similarly we do not warrant any damage to the battery box if foreign objects are deliberately or accidentally inserted into the battery box enclosure.
- The battery will discharge naturally if the system is unused for a period of time.
- It should be recharged every 2-3 months if unused. If this is not done, then the warranty will be null and void. During normal operation, the batteries will be automatically remained in charged condition.
- Servicing of batteries should be performed or supervised by trained personnel with knowledge of batteries and the required precautions.
- When replacing batteries, it is necessary to replace ALL batteries with the same quantity, type & capacity.
- CAUTION – Do not dispose of battery or batteries in a fire. The battery may explode.
- CAUTION – Do not open or mutilate the batteries. The electrolyte from the batteries is toxic and harmful to the skin and eyes.
- CAUTION – Risk of Electric Shock –Hazardous voltage may exist between battery terminals and ground. Test before touching with bare hands.

- CAUTION – A battery can present a risk of electrical shock and high short circuit current. The following precaution should be observed when working on batteries:
  1. Remove watches, rings, or other metal objects.
  2. Use tools with insulated handles.
  3. Wear rubber gloves and boots.
  4. Do not lay tools or metal parts on top of batteries.
  5. Disconnect charging source prior to connecting or disconnecting battery terminals.
- Do not plug or unplug the battery connector if UPS works in DC (discharging) mode.

**Installation and Setup**

**NOTE:** Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. Please keep the original package in a safe place for future use

**Storage & Maintenance**

The unit contains no user-serviceable parts. If the battery service life (3~5 years at 25°C ambient temperature) has been exceeded, the batteries must be replaced. In this case, please contact your dealer.

Be sure to deliver the spent battery to a recycling facility or ship it to your dealer in the replacement battery packing material.

**Storage**

Before storing, charge the unit 4 hours. Store the unit covered and upright in a cool, dry location. During storage, recharge the battery in accordance with the following table:

Storage Temperature	Recharge Frequency	Charging Duration
-25°C - 40°C	Every 3 months	1-2 hours
40°C - 45°C	Every 2 months	1-2 hours

# BlueWalker Assembly work instruction

Subject : 10120560 N

Self-checking is a must

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version : 00

114-20425-XX insulator

2 1.Paste insulator as shown in below picture.



Self-checking is a must

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version : 00

- 373-03962-XX Long battery plate 2
- 373-50001-XX Short battery plate 1
- 610-00903-XX Insulator bag 3
- 410-91023-XX M4\*8 screw 3

2. Put insulator bag on battery plates; fix battery plates( wider side is on the top) .

Torque : 16kgf-cm  
Cross screw torque



1. Insert one side of battery plate into the slot; fix the other side to the metal with M4\*8 screws.  
(fix into the top screw holes)



Self-checking is a must

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version : 00

- W112-000090 Battery
- 112-00356-XX Battery 12V 45W
- 112-00817-XX Battery 12V 34W
- 112-00836-XX Battery 12V 34W
- 520-93003-XX Insulator box

40  
20

3. Put 2 pieces of batteries into insulator box as shown below. Totally there are 20 groups of batteries.



4. Put these 20 groups of batteries into the chassis.



Remarks: to avoid short circuit, please be noted that the battery terminals must not contact the metal parts.

Self-checking is a must

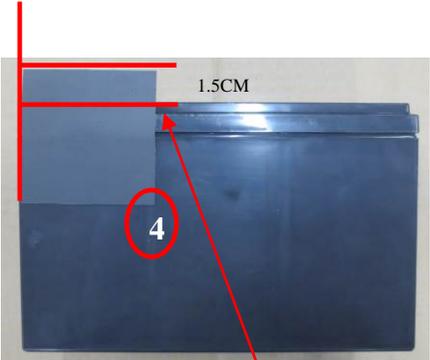
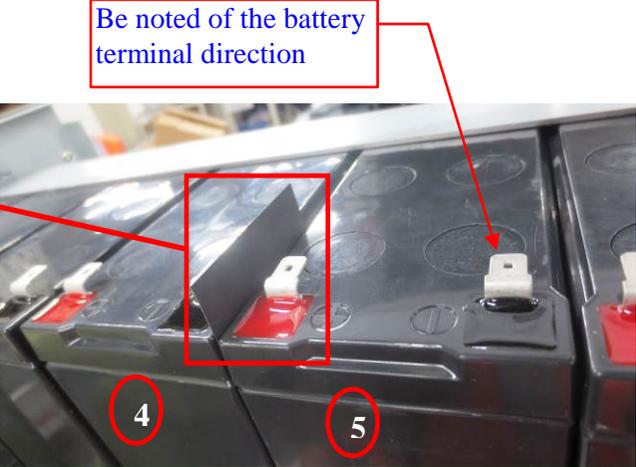
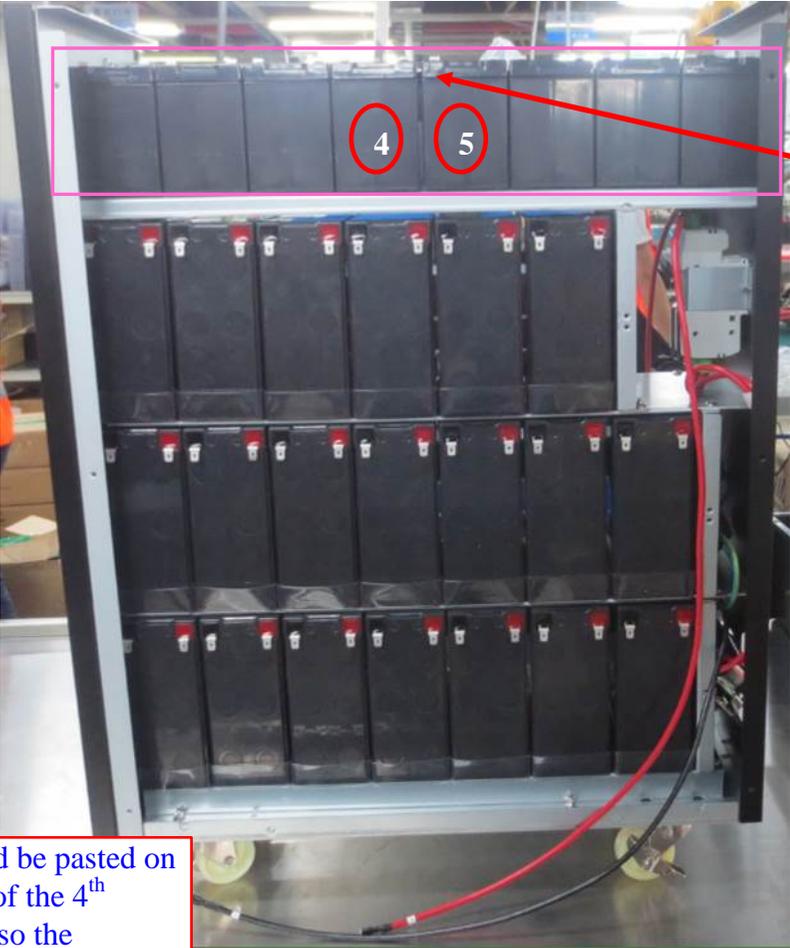
station : Assy

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version : 00

- W112-000090 Battery 8
- 112-00356-XX Battery 12V 45W
- 112-00817-XX Battery 12V 34W
- 112-00836-XX Battery 12V 34W
- 114-20425-XX insulator 1

5. Put 8pcs of batteries on the top as shown below. Insulator should be pasted on the right side of the 4<sup>th</sup> battery, and also the insulator should be 1.5cm higher than the 4<sup>th</sup> battery.



Insulator should be pasted on the right side of the 4<sup>th</sup> battery, and also the insulator should be 1.5cm higher than the 4<sup>th</sup> battery.

Self-checking is a must

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version : 00

- 373-14613-XX battery plate 1 1
- 373-14612-XX battery plate 2 1
- 410-91023-XX M4\*8 screw 7
- 610-00903-XX Insulator bag 3
- 373-03962-XX Long battery plate 2
- 373-50001-XX Short battery plate 1

6. fix battery plate1 on the rear cover, As shown in the figure:



Battery plate1



Battery plate 2

Torque: 16kgf-c  
n torque

7. After fix battery plate1, Put insulator bag on battery plates 2 and combination it on the metal, fix in the middle of two battery plates with M4\*8 screws.



Fix battery plates 1 with M4\*8 screw\*2



Fix battery plates with M4\*8 screw\*2

Fix with M4\*8

Put insulator bag on other battery plates; fix battery plates( wider side is on the top).



Self-checking is a must

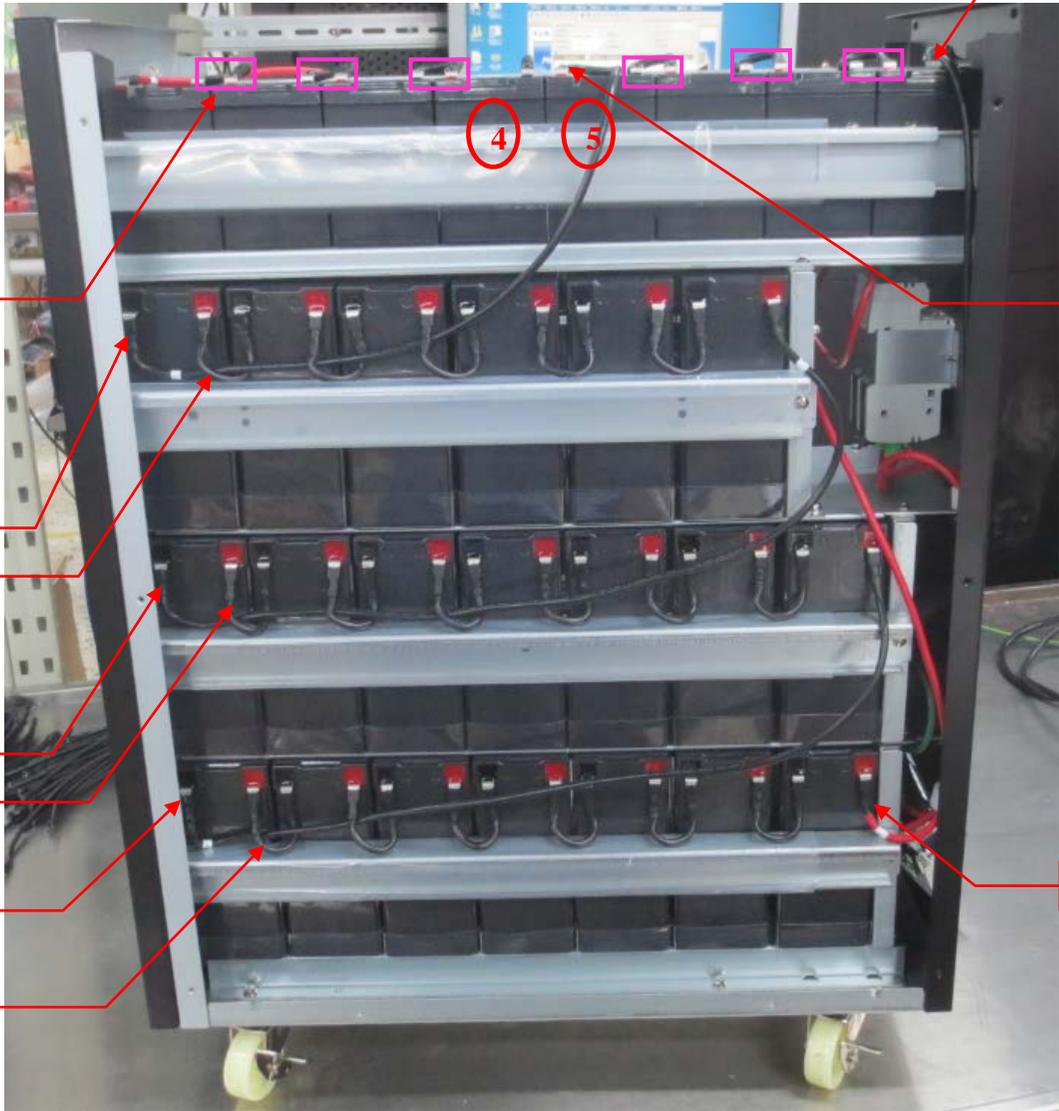
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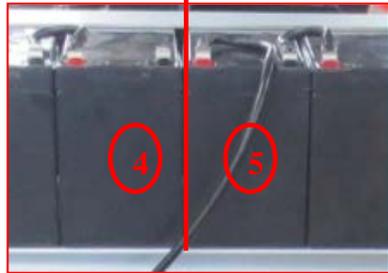
version : 00

- 720-A9806-XX Short battery wire 23
- 720-E5503-XX 9# 500mm battery 2  
wire
- 720-E5504-XX 10# 570mm 1  
battery wire

8. As shown in the figure, Insert the wires.



9.insert 7# BLK wire from rear cover



7. Verify step 6 is OK, insert 80mm short battery wire \*6

Note: Insert the battery wire on the right side of the 5# battery (into the red terminal); It can't be inserted into the black terminal.  
That is dangerous!

6. insert 500mm long battery wire \*1  
5. insert 80mm short battery wire \*5

4. insert 570mm long battery wire \*1  
3. insert 80mm short battery wire \*6

2. insert 570mm long battery wire \*1

1. insert 80mm short battery wire \*6

8. insert 6# RED wire from rear cover

Self-checking is a must

station : Assy

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version : 00

- 720-A9806-XX Short battery wire 17
- 720-E5503-XX 9# battery wire 2
- 720-E5504-XX 10# battery wire 1

9、As shown in the figure, Insert the wires.



8. insert 5# RED wire from rear cover

7. insert 10# wire into the black terminal of the 4# battery

6. insert 500mm long battery wire \*1

5. insert 80mm short battery wire \*5

4. insert 570mm long battery wire \*1

3. insert 80mm short battery wire \*6

2. insert 570mm long battery wire \*1

1. insert 80mm short battery wire \*6