

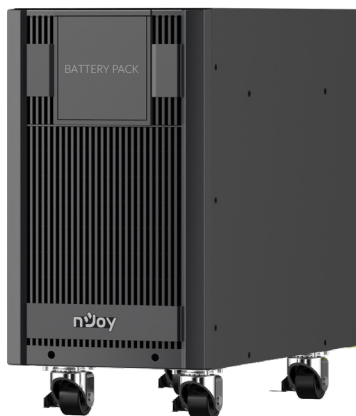


TA1611KX

User Manual

UPBPTA1611KX-CG01B

Manual de utilizare



344.46.24.1

Before using this product, carefully read all product documentation and retain it for future reference.

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EN

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NOTE!

In the preparation of this document every effort has been made to ensure the accuracy of this content, but keep in mind that all statements, information and recommendations presented in this document do not constitute an agreement of any kind, either expressed or implied.

Unless specified otherwise in your contract terms, all statements, information and recommendations are provided "AS IS " without any commitments of any kind, either expressed or implied.

1 Safety

This manual contains important instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate the Battery module.

- **CAUTION!** The UPS unit must be connected to a grounded AC power outlet with fuse or circuit breaker protection. The Battery modules grounded are through the UPS.
- The battery can power hazardous components inside the unit, even when the AC input power is disconnected.
- To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area, free of conductive contaminants. (Please see specifications for acceptable temperature and humidity range).
- **No User Serviceable Parts:** Risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
- **Non-Isolated Battery Supply:** Risk of electric shock, battery circuit is not isolated from AC power source; hazardous voltage may exist between battery terminals and ground. Test before touching.
- Wiring must be done by qualified personnel.
- **DO NOT USE WITH OR NEAR AQUARIUMS!** To reduce the risk of fire, do not use with or near aquariums. Condensation from the aquarium can come in contact with metal electrical contacts and cause the machine to short out.
- Do not dispose of batteries in fire as the battery may explode.
- Do not open or mutilate the battery, released electrolyte is harmful to the skin and eyes.
- A battery can present a risk of electric 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.
- Make sure everything is turned off and disconnected completely 2 before conducting any maintenance, repairs or shipment.
- Connect the Protection Earth (PE) safety conductor before any other cables are connected.

- Do not install the unit where it would be exposed to direct sunlight or near a strong heat source!
- Servicing of batteries should be performed or supervised by personnel knowledge of batteries and the required precautions. Keep unauthorized personnel away from batteries!

2 Package contents

✓ A Battery module

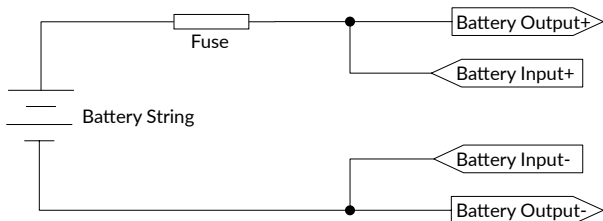
✓ A user manual

CAUTION!

Inspect the appearance of the Battery module to see if there is any damage during transportation. Do not use the unit and notify the carrier and dealer immediately if there is any damage or lacking of some parts.

3 Basic Operation

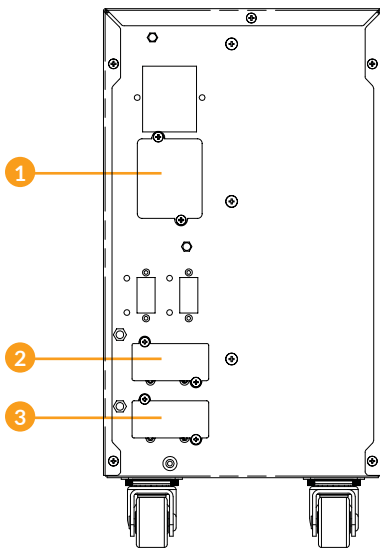
3.1. Schematic



3.2. Rear Panel Description

Rear panel description

TA1611KX



1. Fuse: Replaceable fuse is accessible from the rear panel. It must be done by qualified personnel.

2. Battery input Connector: Use this Input Connector to daisy chain the next **Battery module**.

3. Battery Output Connector: Use this Output Connector to connect the Battery module and the Power module

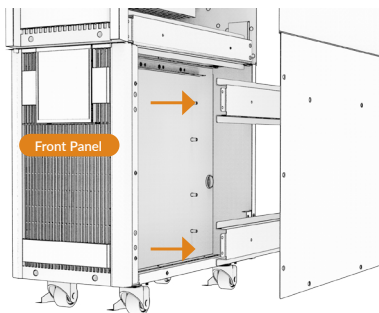
4 Battery installation

To install batteries in UPS, you will find the following cables in product box:

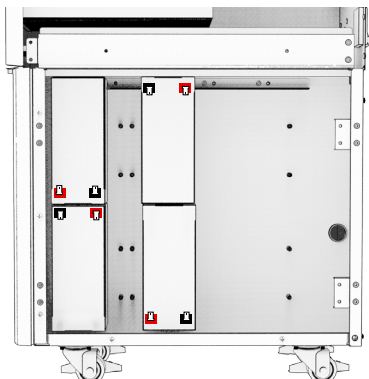
No.	Description	Length (cm)	Quantity (number of pieces)	Remarks
1	10 AWG cable (Black)	10	8	F2 to F2 connector
2	10 AWG cable (Black)	17	1	F2 to F2 connector
3	10 AWG cable (Black)	23	2	F2 to F2 connector
4	10 AWG cable (Black)	34	1	F2 to F2 connector
5	10 AWG cable (Black)	36	1	F2 to F2 connector
6	10 AWG cable (Red)	36	2	F2 to F2 connector

Please follow steps below to install batteries inside Aster 6KT / Aster 10KT UPS:

Step 1: Remove side panels and battery holders from each side of the UPS

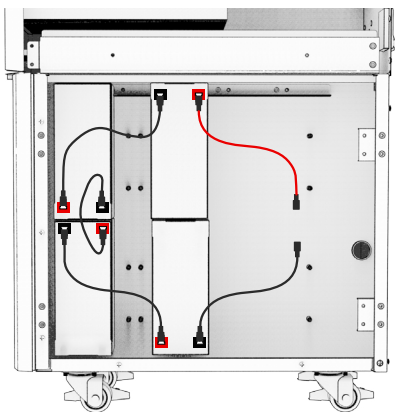


Step 2: Place 4 batteries on the left side of the UPS (as you look from behind the UPS) as shown in picture below.

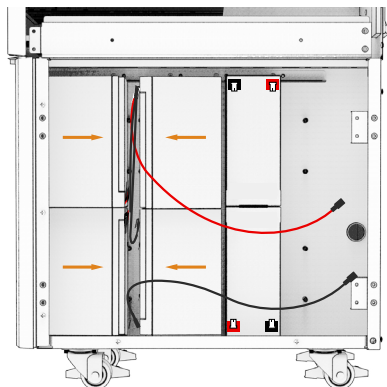


Left side view

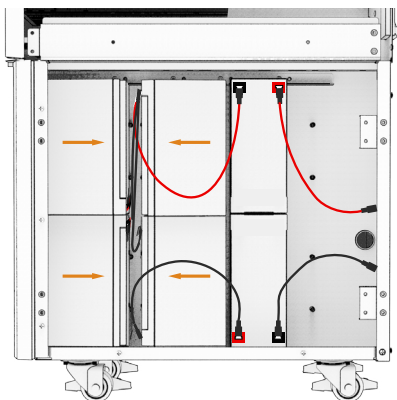
Step 3: Connect the batteries as shown in below picture.



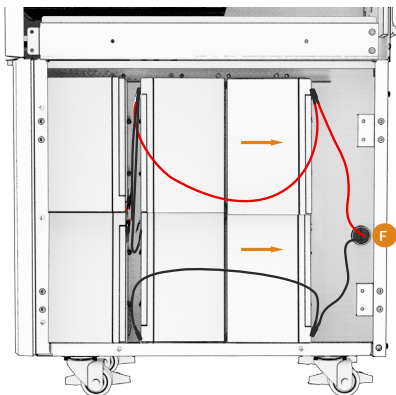
Step 4: Turn the 4 batteries placed initially and add two more batteries, as in the picture below



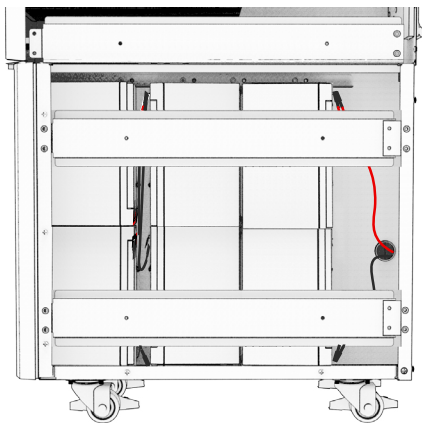
Step 5: Connect the batteries to each other as in the diagram below:



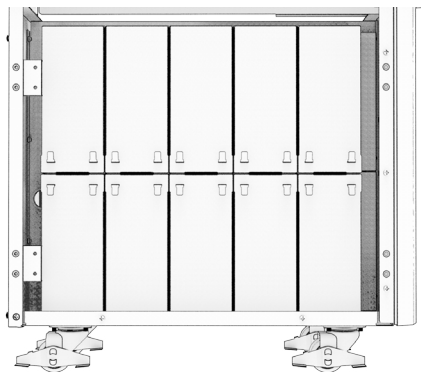
Step 6: Pass the cable through the passage slot F, as in the photo below



Step 7: Place back the holders of the batteries

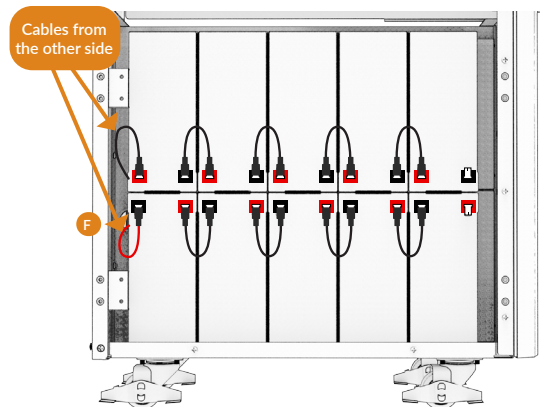


Step 8: On the right side of the UPS, put 10 batteries as shown in the picture below

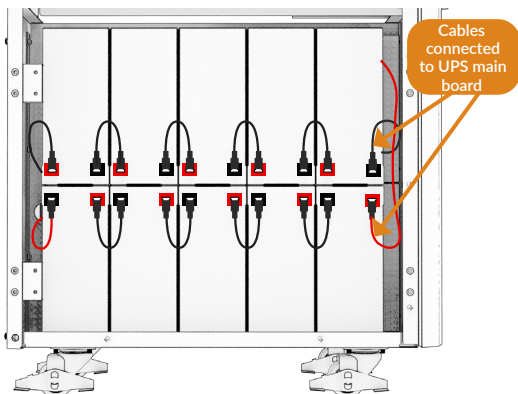


Right side view

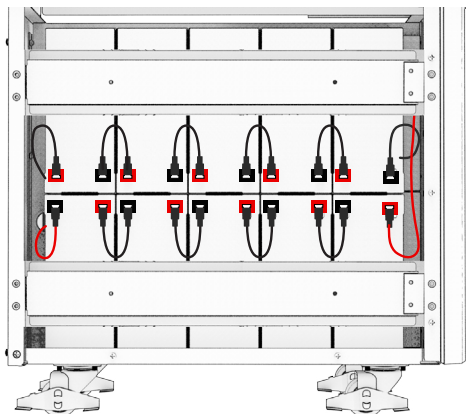
Step 9: Connect the batteries with cables as shown in the picture below:

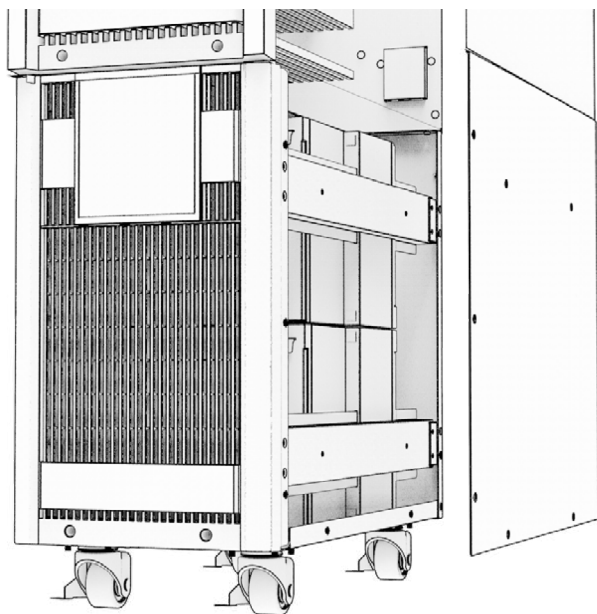


Step 10: Connect the first two batteries (as you look from the front of the UPS) with the cables connected to UPS as shown in below picture.



Step 11: Place back battery holders, and after that, side panels of the UPS



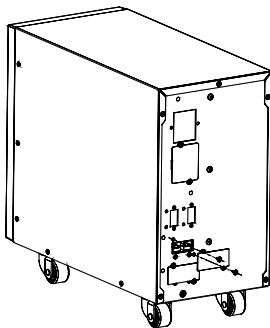


5 Electrical Installation

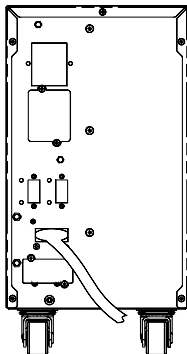
The system must be installed and wired only by qualified electricians in accordance with applicable safety regulations!

5.1. One Battery module with 192Vdc input

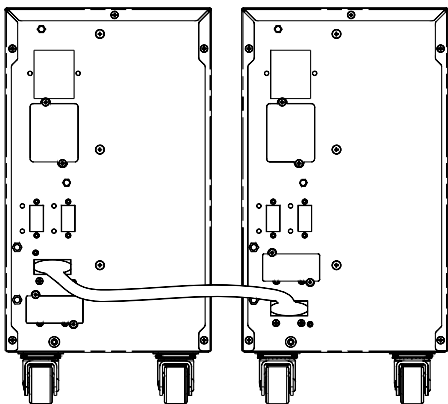
- a. Loosen the screws to remove Battery Output Connector Cover of Battery module.



- b. Connect Battery Cable to the Battery module.

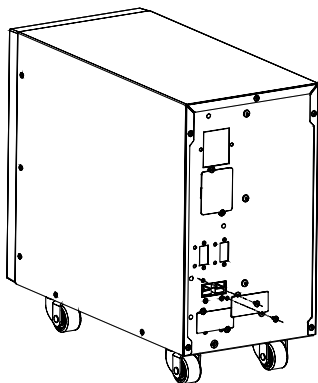


- c. Connect the Battery Cable to Power module.

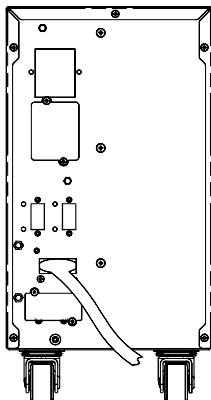


5.2. Multiple Battery modules with 192Vdc input

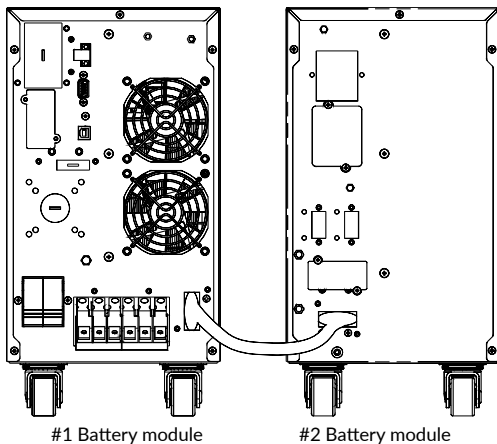
- a. Loosen the screws to remove Battery Input Connector Cover of #1 Battery module.



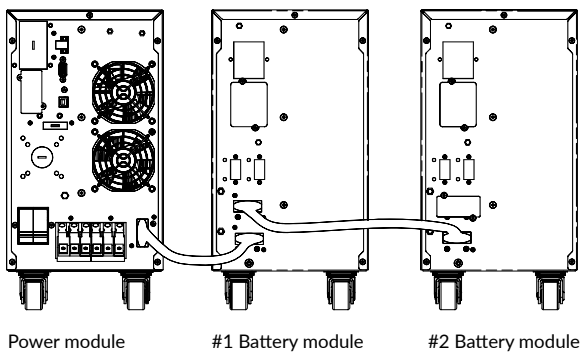
- b. Connect Battery Cable to Battery Input Connector of #1 Battery module.



- c. Connect #1 Battery module to #2 Battery module.



- d. Connect #1 Battery module to Power module.



Technical specification

Disposal of Old Electrical & Electronic Equipment

(Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste.

Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The recycling of materials will help to conserve natural resources.

Cuprins

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NOTA!

Am facut toate eforturile pentru a asigura acuratetea continutului acestui document, dar toate declaratiile, informatiile si recomandarile din acesta nu constituie o garantie de nicio natura, fie explicita sau implicita.

Daca nu exista o specificare diferita in contractul incheiat cu dumneavoastra, toate declaratiile, informatiile si recomandarile din acest document sunt furnizate "asa cum sunt", fara nicio garantie, fie explicita, fie implicita

1 Masuri de siguranta

Acest manual contine masuri de siguranta importante ce trebuie respectate in timpul instalarii si utilizarii echipamentului pentru a evita orice situatie periculoasa. Citit cu atentie acest manual inainte de a deschide, instala si pune in functiune cabinetul de baterii.

- **ATENTIE!** Unitatea UPS trebuie conectat la o priza cu impamantare dotata cu siguranta sau cu intrerupator de circuit. Cabinele de baterie sunt impamantate prin UPS.
- Cabinetul de baterii alimenteaza cu tensiuni periculoase componentele interne ale UPS-ului chiar si atunci cand nu este alimentat de la priza.
- Pentru a preveni riscul de electrocutare sau incendiu, instalati cabinetul intr-un loc cu temperatura si umiditate controlata, fara contaminanti inductivi. (Vezi specificatiile despre temperatura si umiditate).
- Fara interventii din partea utilizatorului. Risc de electrocutare, nu indepartati capacul. Interventiile se vor realiza doar de catre personal autorizat.
- Risc de electrocutare! Circuitul bateriei nu este izolat de alimentarea AC; tensiuni periculoase pot exista intre terminalele bateriei si impamantare. Testati acest fapt inainte de a interveni asupra echipamentului.
- Cablarea trebuie executata de personal autorizat.
- **NU UTILIZATI ECHIPAMENTUL IN RAZA ACVARIILOR!!** Pentru a reduce riscul de incendiu nu utilizati echipamentul in raza acvariilor. Fenomenul de condensare poate coroda elementele metalice si poate provoca scurtcircuit.
- Nu aruncati bateriile in foc! Acestea pot exploda.
- Nu deschideti sau deformati bateriile, electrolitul este coroziv si poate ataca ochii si pielea.
- Bateria poate provoca electrocutari sau scurtcircuit. Precautiile necesare sunt: indepartati ceasuri, inele si alte obiecte metalice; utilizati instrumente cu manere izolate.
- Asigurati-va ca toate alimentariile sunt oprite inainte de face actiuni de mentenanta, reparatii sau livrare.
- Conectati impamantarea (PE) inainte de a face alte cablaje.
- Nu instalati unitatea in bataia directa a razelor de soare sau a surselor de caldura excesiva!

- Mentenanta si repararea bateriilor trebuie facuta de personal tehnic autorizat, cu experienta in servizarea bateriilor si care cunosc masurile de siguranta. Interzis accesul la baterii personalului neautorizat!

2 Continutul pachetului

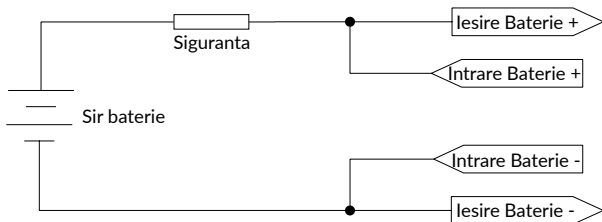
- ✓ Cabinet de baterii
- ✓ Manual de utilizare

! ATENTIE!

Inspectati cu atentie exteriorul cabinetului de baterii pentru a observa daca au aparut deteriorari survenite in urma transportului. Nu puneti in functiune unitatea si notificati partile competente.

3 Utilizare de baza

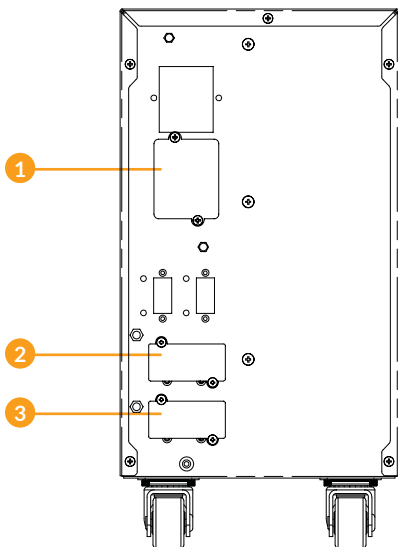
3.1. Scheme



3.2. Descriere panou spate

Descriere panou spate

TA1611KX



1. **Siguranta:** poate fi inlocuita cu acces prin panoul din spate. Trebuie facuta de personal tehnic autorizat!
2. **Conector intrare baterie:** utilizati acest conector pentru a conecta in serie (daisy chain) un alt cabinet de baterii.
3. **Conector iesire baterie:** utilizati acest conector pentru a conecta cabinetul de baterii la unitatea UPS.

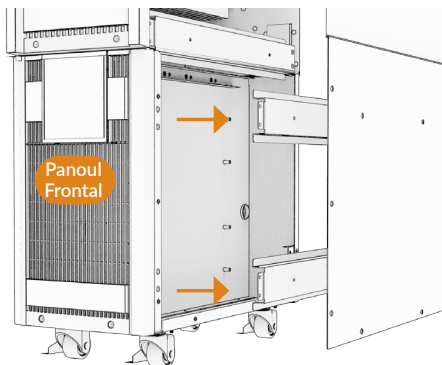
4 Instalarea bateriilor

Pentru instalarea bateriilor, veti gasi in cutia UPS-ului urmatoarele cabluri:

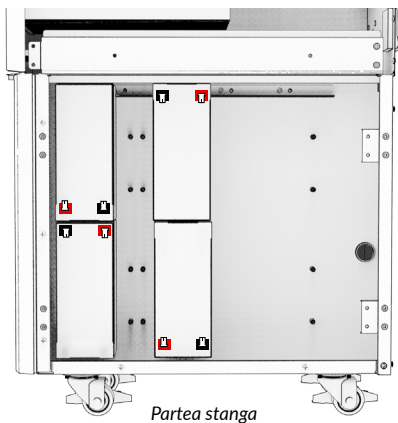
No.	Descriere	Lungime (cm)	Cantitate	Observatii
1	10 AWG cable (negru)	10	8	Conector F2 to F2
2	10 AWG cable (negru)	17	1	Conector F2 to F2
3	10 AWG cable (negru)	23	2	Conector F2 to F2
4	10 AWG cable (negru)	34	1	Conector F2 to F2
5	10 AWG cable (negru)	36	1	Conector F2 to F2
6	10 AWG cable (Rosu)	36	2	Conector F2 to F2

Urmati pasii de mai jos pentru a instala bateriile in UPS-ul Aster 6KT / Aster 10KT:

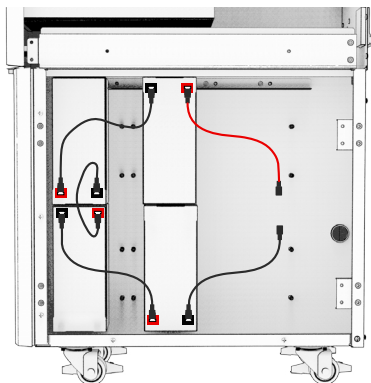
Pasul 1: Inlaturati panourile si sinea laterale de pe fiecare parte a UPS-ului



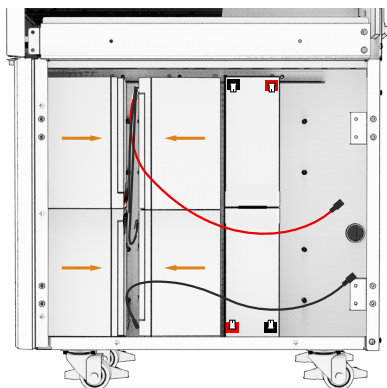
Pasul 2: Asezati 4 baterii pe partea stanga a UPS-ului (cum priviti din spatele acestuia), asa cum se arata in figura de mai jos:



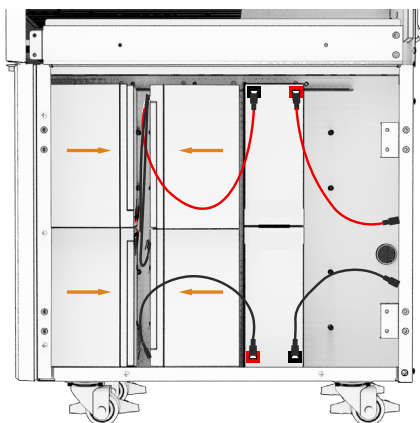
Pasul 3: Conectati bateriile asa cum se arata in figura de mai jos:



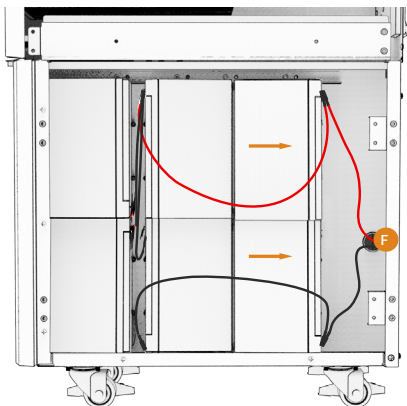
Pasul 4: Intoarceti cele 4 baterii plasate initial si mai adaugati inca doua, la fel ca in imaginea de mai jos:



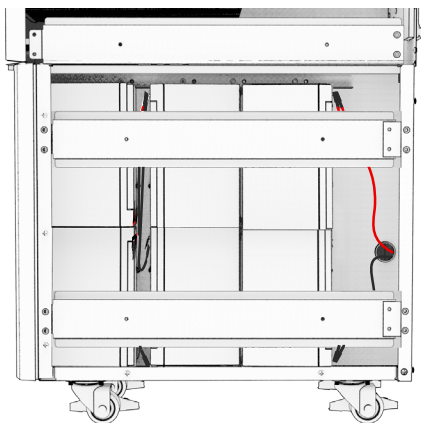
Pasul 5: Conectati bateriile cu cabluri, ca in imaginea de mai jos:



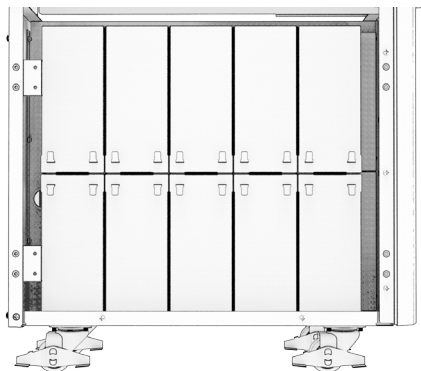
Pasul 6: Treceti cele doua cabluri prin fanta F, de cealalta parte a UPS-ului:



Pasul 7: Asezati sinele de sustinere a bateriilor ca in imagine:

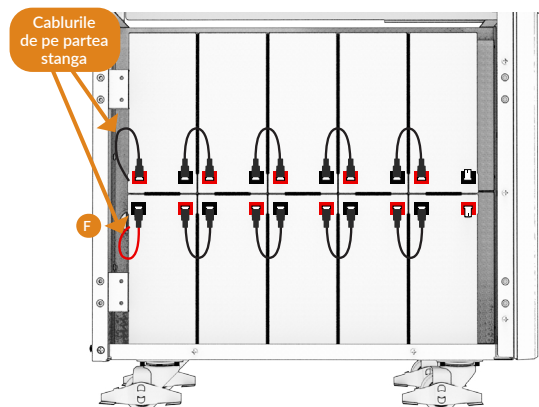


Pasul 8: Asezati 10 baterii pe partea dreapta a UPS-ului, asa cum se vede in imaginea de mai jos:

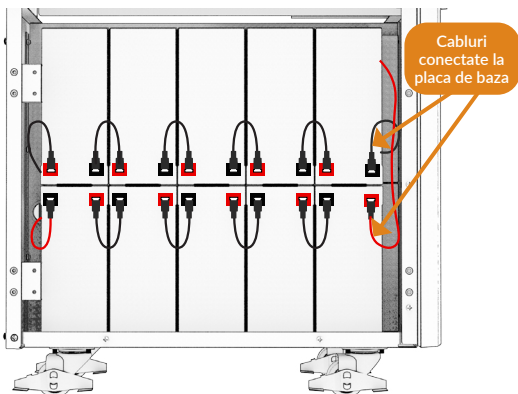


Partea dreapta

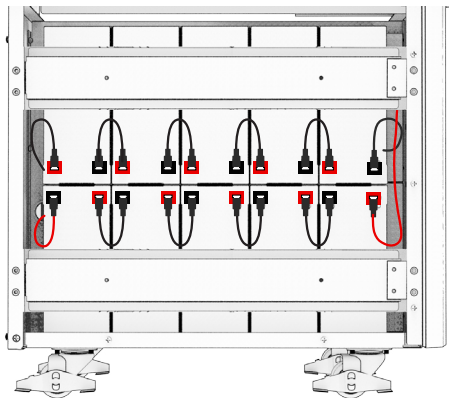
Pasul 9: Conectati bateriile ca in imaginea de mai jos:

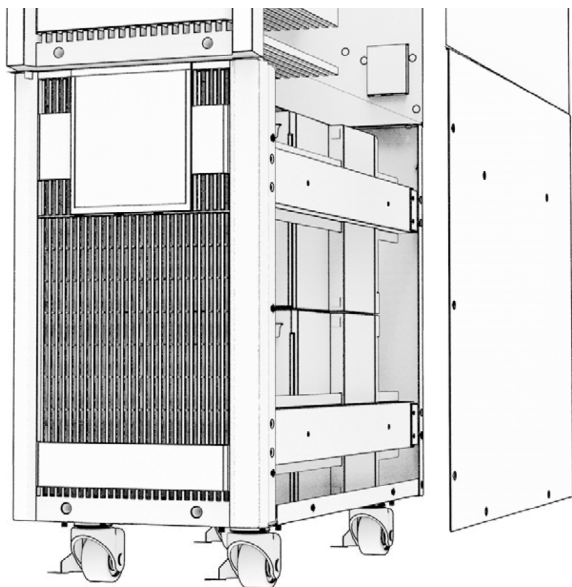


Pasul 10: Conectati primele 2 baterii (cum priviti dinspre partea din fata a UPS-ului) cu cablurile care sunt legate la placa de baza a UPS-ului:



Pasul 11: Fixati bateriile cu sinele laterale si apoi fixati panourile laterale ale UPS-ului.



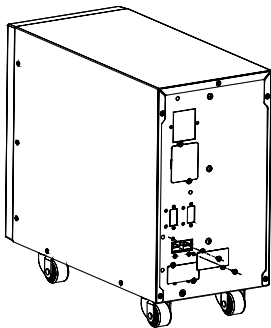


5 Instalare electrica

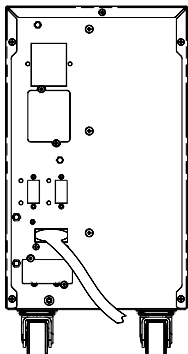
Sistemul trebuie instalat si cablat doar de catre personal autorizat si in conformitate cu reglementarile legale.

5.1. Cabinet de baterie simplu cu intrare 192Vdc

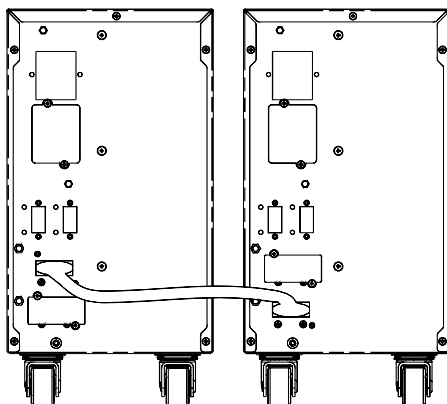
a. Scoateti suruburile capacului care acopera conectorul de iesire baterie de pe spatele cabinetului.



b. Conectati cablul la cabinetul de baterii.

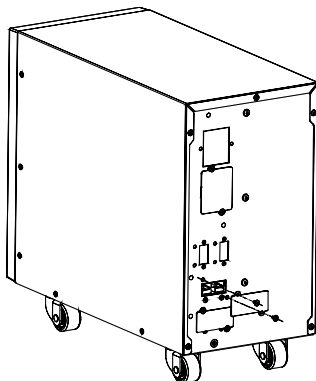


c. Conectati cablul la unitatea UPS.

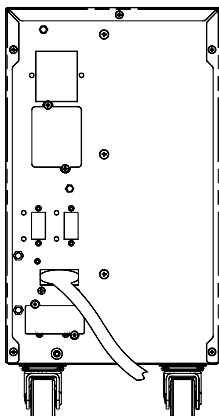


5.2. Cabinete de baterie multiple cu intrare 192Vdc

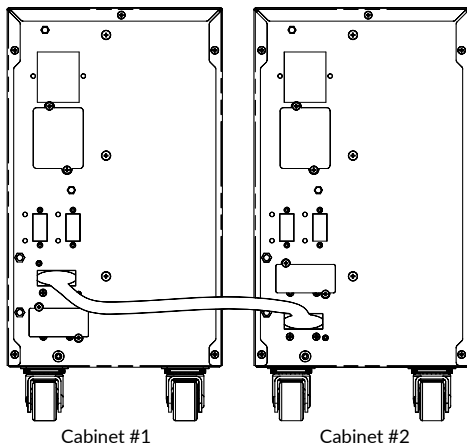
a. Scoateti suruburile capacului care acopera conectorul de iesire baterie de pe spatele cabinetului nr 1.



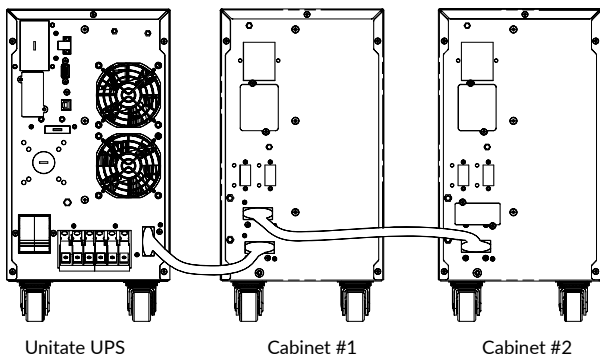
- b. Conectati cablul la cabinetul de baterii nr 1.



- c. Conectati cablul de la cabinetul nr 1 la cabinetul nr 2.



d. Conectati cablul de la cabinetul nr 1 la unitatea UPS.





Dezafectarea echipamentelor electrice si electronice vechi

(Se aplica pentru țările membre ale Uniunii Europene și pentru alte țări europene cu sisteme de colectare separată)

Acest simbol aplicat pe produs sau pe ambalajul acestuia indica faptul ca acest produs nu trebuie tratat ca pe un deșeu menajer.

El trebuie predat punctelor de reciclare a echipamentelor electrice si electronice.

Asigurandu-va ca acest produs este dezafectat in mod corect, veți ajuta la prevenirea posibilelor consecințe negative asupra mediului și a sănătății umane, care ar fi putut surveni dacă produsul ar fi fost dezafectat în mod necorespunzător.

Reciclarea materialelor va ajuta la conservarea resurselor naturale.

