



# TA1611KX

## User Manual

UPBPTA1611KX-CG01B

Manual de utilizare



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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

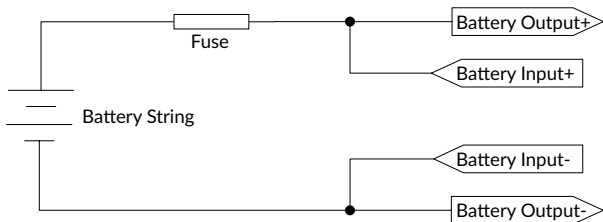
✓ A user manual

### 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

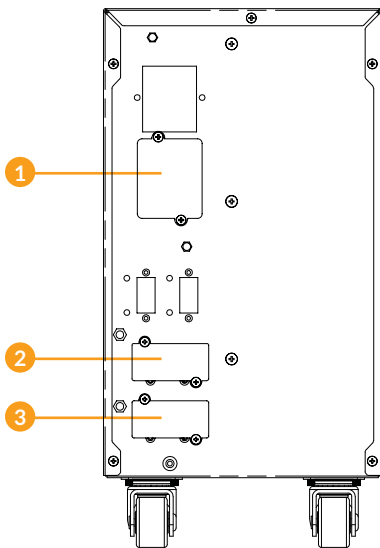
### 3.1. Schematic



### 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**.

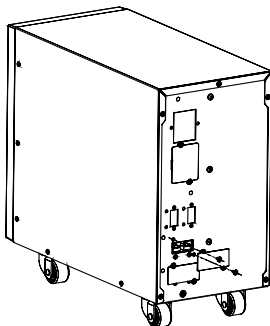
**3. Battery Output Connector:** Use this Output Connector to connect the Battery module and the Power module

## 4 Electrical Installation

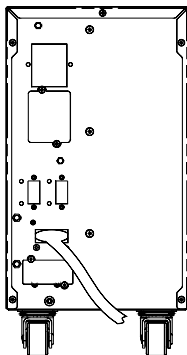
The system must be installed and wired only by qualified electricians in accordance with applicable safety regulations!

### 4.1. One Battery module with 192Vdc input

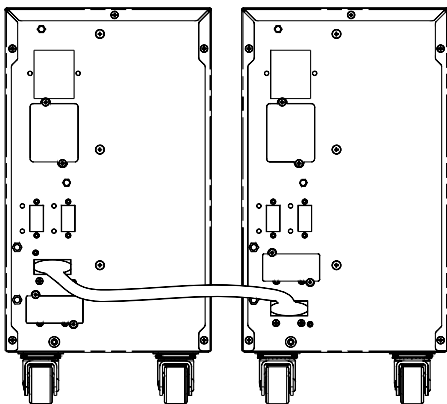
- a. Loosen the screws to remove Battery Output Connector Cover of Battery module.



- b. Connect Battery Cable to the Battery module.

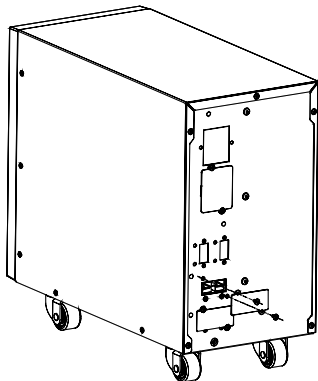


- c. Connect the Battery Cable to Power module.

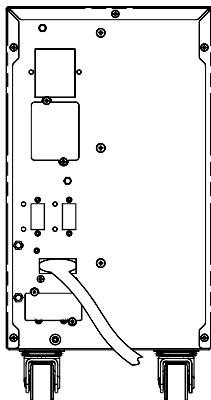


#### 4.2. Multiple Battery modules with 192Vdc input

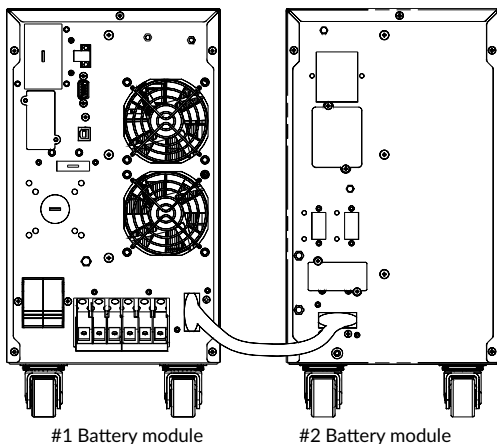
- a. Loosen the screws to remove Battery Input Connector Cover of #1 Battery module.



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

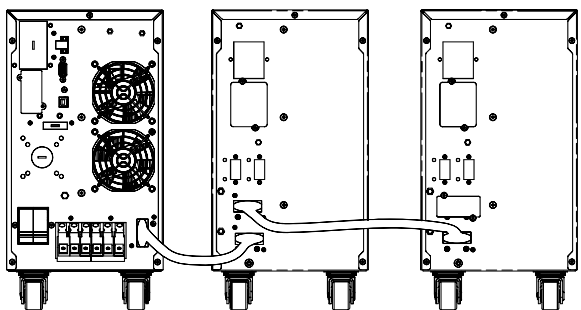


- c. Connect #1 Battery module to #2 Battery module.





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



Power module

#1 Battery module

#2 Battery 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!**

- **Mentenanța și repararea bateriilor trebuie făcută de personal tehnic autorizat, cu experiență în servizarea bateriilor și care cunosc măsurile de siguranță. Interzis accesul la baterii personalului neautorizat!**

## 2 Continutul pachetului

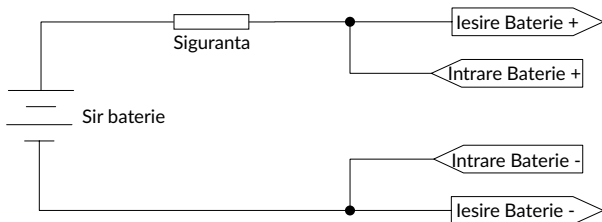
- ✓ Cabinet de baterii
- ✓ Manual de utilizare

### ATENȚIE!

Inspectați cu atenție exteriorul cabinetului de baterii pentru a observa dacă au apărut deteriorări survenite în urma transportului. Nu puneți în funcțiune unitatea și notificați părțile competente.

## 3 Utilizare de bază

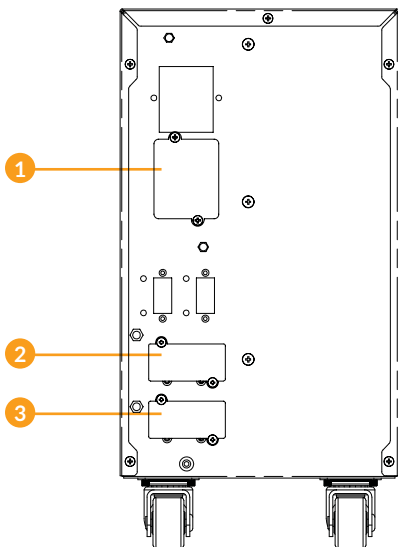
### 3.1. Scheme



### 3.2. Descriere panou spate

#### Descriere panou spate

TA1611KX



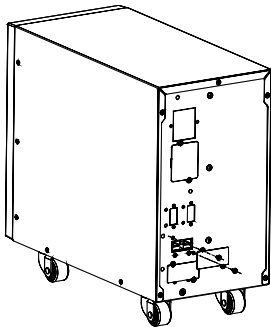
1. **Siguranta:** poate fi inlocuita cu acces prin panoul din spate. Trebuie facuta de personal tehnic autorizat!
2. **Conector intrare baterie:** utilizati acest conector pentru a conecta in serie (daisy chain) un alt cabinet de baterii.
3. **Conector iesire baterie:** utilizati acest conector pentru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

## 4 Instalare electrica

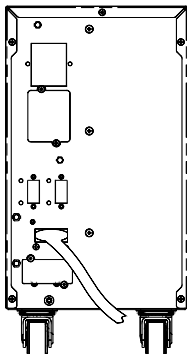
Sistemul trebuie instalat si cablat doar de catre personal autorizat si in conformitate cu reglementarile legale.

### 4.1. Cabinet de baterie simplu cu intrare 192Vdc

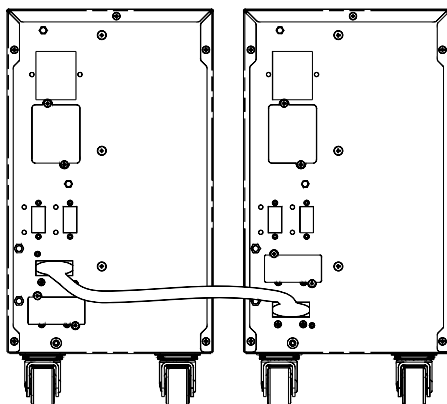
a. Scoateti suruburile capacului care acopera conectorul de iesire baterie de pe spatele cabinetului.



b. Conectati cablul la cabinetul de baterii.

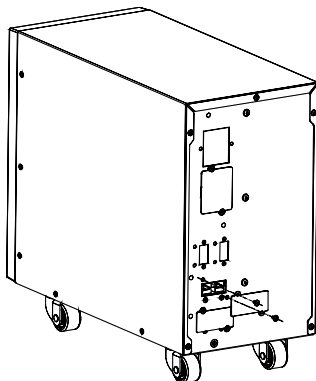


c. Conectati cablul la unitatea UPS.



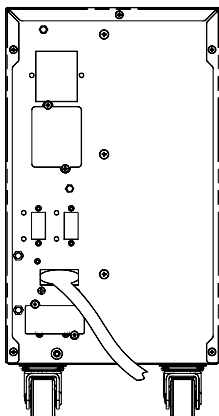
#### 4.2. Cabinete de baterie multiple cu intrare 192Vdc

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

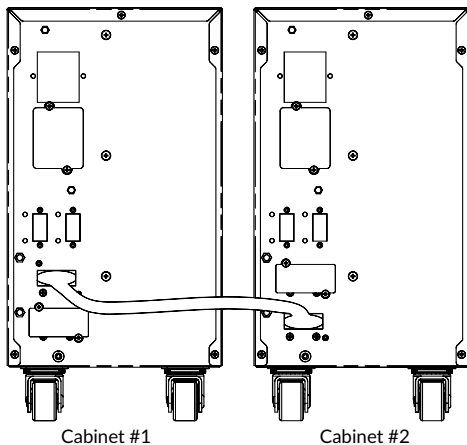




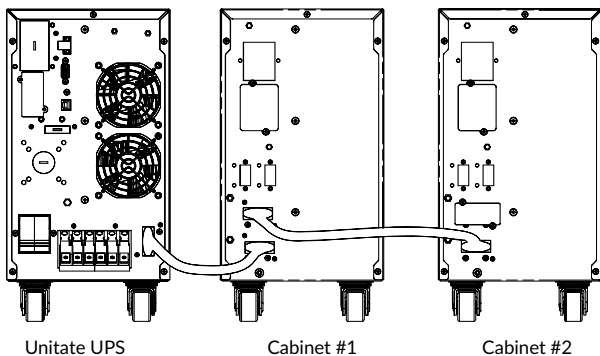
- b. Conectati cablul la cabinetul de baterii nr 1.



- 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 si a sanatatii umane, care ar fi putut surveni daca produsul ar fi fost dezafectat in mod necorespunzator.

Reciclarea materialelor va ajuta la conservarea resurselor naturale.

