

- This manual contains important information regarding the safe use of the BUM100R/300R. Please read these instructions before installing and/or using the product.
- Please connect and install the battery unit only after having fully understood the relevant procedures for the Backup Power Supply, found in the Backup Power Supply Instruction Manual.

Safety precautions

This manual contains important information regarding the safe use of this product. Please read these instructions before installation and/or use.

- The safety symbols used in this manual are explained below.

| | | |
|--|----------------|--|
| | Warning | Indicates an imminently hazardous situation which, if not handled properly, may result in death or serious injury. |
| | Caution | Indicates a potentially hazardous situation which, if not handled properly, may result in injury or property damage. |

* Property damage means damage to houses/household effects, livestock, and pets.

: Indicates a prohibited action (something you must not do). For example, indicates that disassembly is prohibited.

: Indicates a necessary action (something you must do). For example, indicates that grounding is necessary.

Note that some items described as cautions may result in more serious damage under certain conditions. The information described here is very important and must be strictly observed.

Warning

Do not disassemble, repair, or modify the product.

- Doing so may cause an electric shock or a fire.



If liquid leaks from the product, do not touch it.

- Doing so may cause blindness or burns.
- If it touches your eyes or skin, wash it out with lots of clean water and consult your doctor.



Warning (product use)

Do not use this product in applications which require an extremely high degree of reliability and safety, such as those listed below.



(This product is designed and manufactured for use for OA equipment such as personal computers.)

- Medical equipment or system that may cause death directly
- Applications that directly affect the safety of people. (For example, the operation and control of cars and elevators.)
- Applications in which failure may significantly damage or impact the society and public. (For example, important computer systems or communication equipment.)
- Applications with the same level of importance as those described above.

Caution (installation)

Two or more people should work together to carry, unpack and install.

- Because the unit is heavy, you may injure yourself or drop the unit, or it may fall over.



The weight of the BUM100R is 26kg, and the weight of the BUM300R is 42kg. Carefully consider the weight when unpacking and transporting this product.



For information about repairs, contact us at _____.

- Injury may result if the unit falls or is dropped.
- If you drop the unit, stop using it and have it inspected and repaired.

Keep plastic bags out of the reach of children.

- Children may suffocate if they put their heads into plastic bags.



Caution (installation)

Do not install the unit in any position other than those specified.

- Refer to "2-1 Installation" on page 5 for proper installation positions.
- Injury may result if the unit falls or is dropped.
- If the unit is installed in any position other than those specified, there will be no protection if fluid leaks from the battery.
- Use the stand when positioning the unit vertically.

Do not use the product where the maximum temperature exceeds 40°C.

- The battery weakens rapidly, and may cause a fire.
- Doing so may cause the unit to fail or malfunction.

Do not exceed the ranges specified for environmental conditions during use/storage.

Do not install or store the unit in the types of places listed below.

- Do not store the unit in places where the humidity is lower than 10% or higher than 90%.
- Do not use the unit in places where the humidity is lower than 25% or higher than 85%.
- Do not install/store the unit in closed places such as cabinets with no clearance, places where there is flammable or corrosive gas, places with large amounts of dust, places exposed to direct sunlight, or outdoors.
- Installing or storing the unit in such places may cause a fire.

When installing the unit on a rack, place it on the lowest shelf.

- Injury may result if the unit falls.

Make sure to connect the BU100RW/BU200RW/BU300RW's AC input to a commercial power source with rated input voltage (100 to 120V AC) and 50/60Hz frequency.

- Connecting to a commercial power source with a different rated input voltage or frequency may result in a fire.
- The unit may fail.

Caution (use)

When the battery is dead, replace it immediately or stop using the unit.

- Continuing to use the unit may cause a fire.

| Ambient temperature | Expected life |
|---------------------|----------------|
| 20 °C | 4 to 5 years |
| 30 °C | 2 to 2.5 years |

* The values in the table on the left reflect the expected life under standard use conditions and are not guaranteed values.

Do not place objects on the unit, and do not drop heavy objects onto the unit.

- Doing so may cause distortion/damage to the case or a failure of the internal circuit, and may cause a fire.

Do not use the product in a closed place and/or do not cover the product.

- Doing so may cause abnormal heating or a fire.

Do not pour water on the unit and do not allow it to become wet.

- Doing so may cause an electric shock or a fire.
- If the unit becomes wet, immediately stop using it, turn OFF the overcurrent protection switch on the back of the unit, and have it inspected and repaired.
For information about repairs, contact us at _____.

Do not insert metal objects into the battery connectors.

Do not create a short between the connector terminals.

- Doing so may cause an electric shock.

Make sure to align the additional battery connectors with the guide when connecting them.

- Failure to do so may result in damage to the unit.



Caution (battery replacement)

Perform replacement on a stable and flat surface.

- Handle the battery carefully so that you do not drop it.
- Dropping the battery may result in injury or burns due to leakage (acid).



Use a specified battery for replacement.

- Using a battery other than that which is specified may cause a fire.
- Product models: BUB100R: (Replacement battery pack for BUM100R (2 required))
BUB300R: (Replacement battery pack for BUM300R (2 required))



Do not replace the battery in a place where there is flammable gas.

- A spark may occur when connecting the battery, which may cause an explosion or fire.



If fluid (dilute sulfuric acid) leaks from the battery, do not touch it.

- Doing so may cause blindness or burns.
- If it touches your eyes or skin, wash it out with lots of clean water and consult your doctor.



Do not try to disassemble or modify the product.

- Doing so may cause the battery to leak dilute sulfuric acid, which may cause blindness or burns.



Do not drop the battery or expose it to strong impact.

- Doing so may cause the battery to leak dilute sulfuric acid.



Do not short the battery with metal objects.

- Doing so may cause an electric shock, fire or burn.
- Some electrical energy remains inside the spent battery.



Do not put the battery into fire, and do not break it.

- The battery may explode or leak dilute sulfuric acid.



Do not use a new battery and an old battery at the same time.

- Doing so may cause the battery to leak dilute sulfuric acid.



Notes

Charge the battery (for at least 24 hours) immediately after purchase.

- If you do not use the unit for a long time after purchase, the battery performance may deteriorate and it may become unusable.
- The battery can be charged by connecting the BU100RW AC input to commercial power for at least 24 hours.
- The battery can be charged in 24 hours once the BU200RW/BU300RW's AC input plug is connected to commercial power and the INPUT PROTECTION switch (input overcurrent protection switch) on the back of the unit is turned ON.

When storing the UPS, charge the battery for at least 24 hours and turn OFF the power switch.

- The battery discharges even when it not being used, and it goes into over discharge state if it is left for a long period of time.
The backup time may become shorter or the battery may become unusable.
- We recommend keeping the temperature 25°C or less when storing the unit for long periods of time.
 - Every 6 months when storage temperature is 25°C or less
 - Every 2 months when storage temperature is 40°C or less
 Charge the battery by connecting the BU100RW's AC input to commercial power for at least 24 hours.
- Charge the battery for at least 24 hours by connecting the BU200RW/BU300RW's AC input to commercial power and turning ON the INPUT PROTECTION switch (input overcurrent protection switch) on the back of the unit.
- Turn OFF the power switch of the UPS during storage.

Do not install or store the unit in a place exposed to direct sunlight.

- A rise in temperature may cause the built-in battery to deteriorate rapidly and become unusable.

This unit uses a lead acid battery.

- Lead acid batteries are a valuable recyclable resource. Please recycle.
For information about recycling, please contact our Electronic Systems & Equipments repair center.



- Ce manuel contient des informations importantes concernant l'utilisation en toute sécurité du BUM100S/150S/300S. Veuillez lire attentivement ces instructions avant d'installer et/ou d'utiliser le produit.
- Ne brancher et installer l'unité de batterie qu'après avoir parfaitement compris les procédures pertinentes pour l'alimentation de secours qui sont indiquées dans le manuel d'instructions sur l'alimentation de secours.

Consignes de sécurité

Ce manuel contient des informations importantes concernant l'utilisation de ce produit en toute sécurité.
Veuillez lire ces instructions avant l'installation et/ou l'utilisation.

- Les symboles de sécurité utilisés dans ce manuel sont expliqués ci-dessous.

| | |
|--|---|
|  Avertissement | Indique une situation extrêmement dangereuse qui, si elle n'est pas traitée correctement, peut entraîner la mort ou des blessures graves. |
|  Attention | Indique une situation potentiellement dangereuse qui, si elle n'est pas traitée correctement, peut entraîner des blessures ou des dommages matériels. |

* Les dommages matériels signifient les dommages aux habitations / effets mobiliers, bétail et animaux domestiques.

-  : Indique une action interdite (quelque chose que vous ne devez pas faire). Par exemple,  indique que le démontage est interdit.
-  : Indique une action interdite (quelque chose que vous ne devez pas faire). Par exemple,  indique que la mise à la terre est nécessaire.

Noter que certains éléments classés comme mise en garde peuvent avoir des conséquences plus graves dans certaines conditions.

Les informations décrites ici sont très importantes et doivent être strictement respectées.

Avertissement

Ne pas démonter, réparer ou modifier le produit.

- Cela peut provoquer un choc électrique ou un incendie.



Si du liquide fuit du produit, ne pas le toucher.

- Cela peut provoquer la cécité ou des brûlures.
- En cas de contact avec les yeux ou la peau, rincer abondamment à l'eau claire et consulter un médecin.



Avertissement (utilisation du produit)

Ne pas utiliser ce produit avec des applications qui nécessitent un degré de fiabilité et de sécurité très élevés, tels que celles énumérées ci-dessous.



(Ce produit a été conçu et fabriqué pour l'utilisation des équipements de bureautique comme les ordinateurs personnels.)

- Équipement ou système médical pouvant directement entraîner la mort.
- Applications qui affectent directement la sécurité des personnes (Par exemple, le fonctionnement et le contrôle des voitures et des ascenseurs).
- Applications pour lesquelles une panne peut endommager ou avoir un impact important sur la société et le public (Par exemple, systèmes informatiques essentiels ou matériel de communication principal.)
- Applications d'un niveau d'importance similaire à celles décrites ci-dessus.



Attention (installation)

Le transport, le déballage et l'installation nécessitent la coopération d'au moins 2 personnes.



- Comme l'appareil est lourd, vous risquez de vous blesser, de l'échapper, ou il peut tomber.

Le BUM100R pèse 26 kg et le BUM300R pèse 42 kg.



- Des blessures peuvent survenir si l'appareil tombe ou est lâché.
- En cas de chute de l'appareil, cesser de l'utiliser et le faire inspecter et réparer. Pour de plus amples informations sur les réparations, nous contacter au : _____.

Garder les sacs plastique hors de portée des enfants.



- Les enfants peuvent s'étouffer s'ils placent leur tête dans un sac en plastique.

Ne pas installer l'appareil dans une position autre que celles spécifiées.



- Consulter "2-1 Installation" à la page 4 pour les positions d'installation correctes.
- Des blessures peuvent survenir si l'appareil tombe ou est lâché.

Ne pas utiliser le produit lorsque la température maximale dépasse 40°C.



- La batterie s'affaiblit rapidement et peut provoquer un incendie.
- Cela peut causer une panne ou un dysfonctionnement de l'appareil.

Ne pas dépasser les limites spécifiées comme conditions environnementales lors de l'utilisation / stockage.



Ne pas installer ni ranger l'appareil dans des lieux des types énumérés ci-dessous.

- Ne pas ranger l'appareil dans des endroits où l'humidité est inférieure à 20% ou supérieure à 90 %.
- Ne pas utiliser l'appareil dans des endroits où l'humidité est inférieure à 25% ou supérieure à 85%.
- Ne pas installer/stocker l'appareil dans des endroits fermés tels que des armoires sans dégagement, en présence de gaz inflammables ou corrosifs, ou à l'extérieur.
- L'installation ou le stockage de l'appareil dans ce type d'endroits peut provoquer un incendie.

Lors de l'installation de l'appareil sur un rack, le placer sur l'étagère la plus basse.



- Injury may result if the unit falls.

S'assurer de brancher l'entrée AC du BU100RW/BU200RW/BU300RW à une alimentation secteur avec une tension d'entrée nominale (100 V à 120 V AC) et une fréquence de 50/60Hz.



- Le raccordement à une alimentation secteur avec une tension d'entrée nominale ou une fréquence différente peut provoquer un incendie.
- L'appareil peut tomber en panne.



Caution (use)

Lorsque la batterie est morte, la remplacer immédiatement ou cesser d'utiliser l'appareil.



- Continuer à utiliser l'appareil peut provoquer un incendie.

| Température ambiante | Durée de vie prévue |
|----------------------|---------------------|
| 20 °C | 4 à 5 ans |
| 30 °C | 2 à 2,5 ans |

* Les valeurs indiquées dans le tableau à gauche reflètent la durée de vie prévue dans les conditions normales d'utilisation mais ne sont pas garanties.

Ne pas placer d'objets sur l'appareil ni laisser tomber des objets lourds sur l'appareil.



- Cela peut provoquer une altération/dommages du boîtier ou une panne du circuit interne, ce qui peut provoquer un incendie.

Ne pas utiliser le produit dans un endroit fermé et/ou le couvrir.



- Cela peut provoquer un échauffement anormal ou un incendie.

Ne pas verser d'eau sur l'appareil ni le laisser se mouiller.



- Cela peut provoquer un choc électrique ou un incendie.
- Si l'appareil est mouillé, cesser immédiatement de l'utiliser, couper le commutateur de protection contre les surtensions d'entrée à l'arrière de l'appareil et le faire inspecter et réparer.
Pour de plus amples informations sur les réparations, nous contacter au _____.

Ne pas insérer d'objets métalliques dans les connecteurs de la batterie.



Ne pas créer de court-circuit entre les bornes du connecteur.

- Cela peut provoquer un choc électrique.

Veiller à bien aligner les connecteurs de la batterie supplémentaire avec le guide lors de leur connexion.



- Ne pas le faire peut endommager l'appareil.



Attention (remplacement de la batterie)

Effectuer le remplacement sur une surface plane et stable.



- Manipuler soigneusement la batterie afin de ne pas la laisser tomber.
- Laisser tomber la batterie peut entraîner des blessures ou des brûlures dues aux fuites (acide).

Utiliser une batterie spécifiée lors du remplacement.



- L'utilisation d'une batterie autre que celle spécifiée peut provoquer un incendie.
- Modèles des produits : BUB100R : (batterie de rechange pour BUM100R (2 requises))
BUB300R : (Batterie de rechange pour le BUM300R (2 requises))

Ne pas remplacer la batterie en présence de gaz inflammable.



- Une étincelle peut se produire lors de la connexion de la batterie, ce qui peut provoquer une explosion ou un incendie.

Si du liquide (acide sulfurique dilué) fuit de la batterie, ne pas le toucher.



- Cela peut provoquer la cécité ou des brûlures.
- En cas de contact avec les yeux ou la peau, rincer abondamment à l'eau claire et consulter un médecin.

Ne pas essayer de démonter ou de modifier le produit.



- Cela peut provoquer une fuite d'acide sulfurique dilué de la batterie, ce qui peut causer la cécité ou des brûlures..

Ne pas faire tomber la batterie ou l'exposer à des chocs violents.



- Cela peut causer une fuite d'acide sulfurique dilué de la batterie.



Attention (remplacement de la batterie)

Ne pas court-circuiter la batterie avec des objets métalliques.

- Cela peut provoquer un choc électrique, un incendie ou des brûlures.
- Une batterie usagée peut encore contenir de l'énergie électrique.



Ne pas jeter la batterie au feu ni la briser.

- La batterie peut exploser ou connaître une fuite d'acide sulfurique dilué.



Do not use a new battery and an old battery at the same time.

- Doing so may cause the battery to leak dilute sulfuric acid.



Remarques

Charger la batterie (pendant au moins 24 heures) aussitôt après l'achat.

- Si l'appareil n'est pas utilisé pendant une longue période après l'achat, les performances de la batterie peuvent se détériorer et elle peut devenir inutilisable.
- La batterie peut être chargée en branchant l'entrée AC du BU100RW à une alimentation secteur pendant au moins 24 heures.
- La batterie peut être chargée en 24 heures une fois que la fiche d'entrée AC du BU200RW/BU300RW est connectée à l'alimentation secteur et que l'interrupteur de PROTECTION D'ENTRÉE (commutateur de protection contre les surtensions d'entrée) à l'arrière de l'appareil est allumé.

Lors du stockage de l'ASP, recharger la batterie pendant au moins 24 heures et couper l'interrupteur d'alimentation.

- La batterie se décharge progressivement même lorsqu'elle n'est pas utilisée et passe dans un état de décharge excessive si elle est laissée au repos pendant une longue période.
La durée d'autonomie peut être réduite et la batterie devenir inutilisable.
- Nous vous recommandons de stocker l'appareil à une température de 25°C ou moins lorsque vous le rangez pendant une longue période.
 - Tous les 6 mois, lorsque la température de stockage est de 25°C ou moins
 - Tous les 2 mois, lorsque la température de stockage est de 40°C ou moinsCharger la batterie en connectant l'entrée AC du BU100RW à une alimentation secteur pendant au moins 24 heures.
- Charger la batterie pendant au moins 24 heures en connectant l'entrée AC du BU200RW/BU300RW à une alimentation secteur et en commutant sur ON l'interrupteur de PROTECTION D'ENTRÉE (commutateur de protection contre les surtensions d'entrée) à l'arrière de l'appareil.
- Couper l'interrupteur d'alimentation de l'ASC pendant son stockage.

Ne pas installer ni ranger l'appareil dans un endroit exposé à la lumière directe du soleil.

- Une augmentation de la température peut entraîner une détérioration rapide de la batterie intégrée et la rendre inutilisable.

1. Preparation

1-1 Unpacking the product

|  Caution | |
|---|---|
| Two or more people should work together to carry, unpack and install. ● Because the unit is heavy, you may injure yourself or drop the unit, or it may fall over. |  |
| The weight of the BUM100R is 26kg, and the weight of the BUM300R is 42kg. Carefully consider the weight when unpacking and transporting this product. ● Injury may result if the unit falls or is dropped. ● If you drop the unit, stop using it and have it inspected and repaired. For information about repairs, contact us at _____. |  |
| Do not install the unit on an unstable base. ● Injury may result if the unit falls or is dropped. |  |

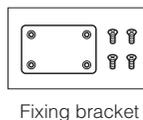
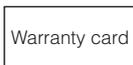
Open the package box and take out the Battery Unit and accessories.

|  Attention | |
|---|---|
| Le transport, le déballage et l'installation nécessitent la coopération d'au moins 2 personnes. ● Comme l'appareil est lourd, vous risquez de vous blesser, de l'échapper, ou il peut tomber. |  |
| Le BUM100R pèse 26 kg et le BUM300R pèse 42 kg. Bien prendre en compte ce poids lors du déballage et du transport du produit. ● Des blessures peuvent survenir si l'appareil tombe ou est lâché. ● IEn cas de chute de l'appareil, cesser de l'utiliser et le faire inspecter et réparer. Pour de plus amples informations sur les réparations, nous contacter au : _____. |  |
| Ne pas installer l'appareil sur une base instable. ● Des blessures peuvent survenir si l'appareil tombe ou est lâché. | |

1-2 Checking the accessories

Make sure that all accessories are included and that there is no external damage.
If you notice any defects, immediately contact the shop of purchase.

1. Instruction manual (Japanese/English edition)..... 1
2. Battery connection cable + Signal connection cable..... 1 set
3. Warranty card 1
4. Battery replacement date label 1
5. JIS/EIA 19-inch rack mount support angles/brackets 1 set
6. Fixing bracket..... 1 set
7. Rubber feet for horizontal installation (14.5 mm depth)..... 4
8. Rubber feet for upright installation (1.7 mm depth)..... 4



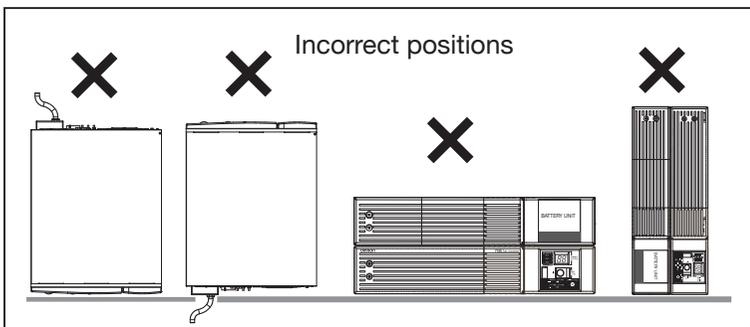
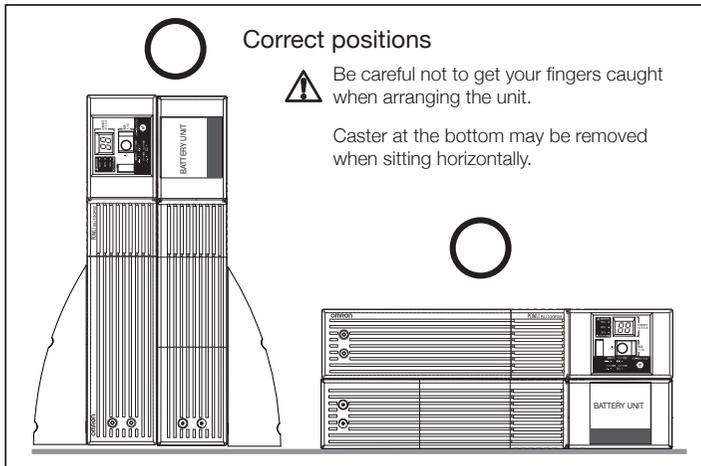
2. Installation and connection

2-1 Installation

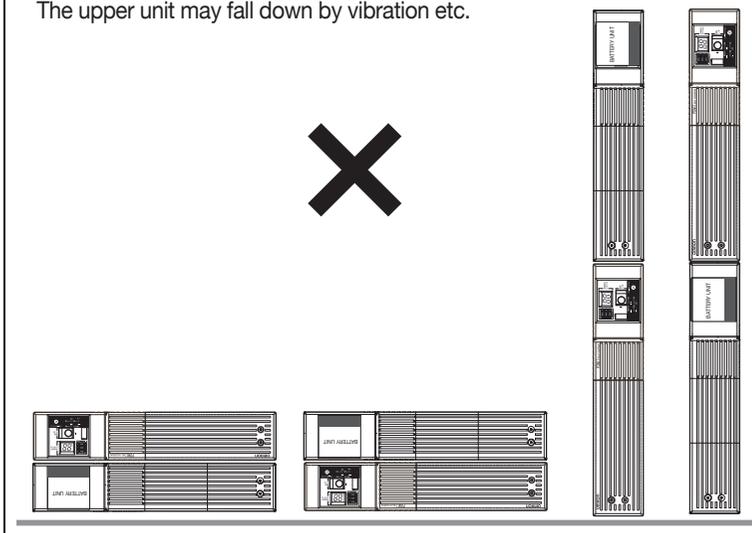
Install the additional battery unit.

Do not use this unit in any position other than the correct positions indicated in the illustration below.

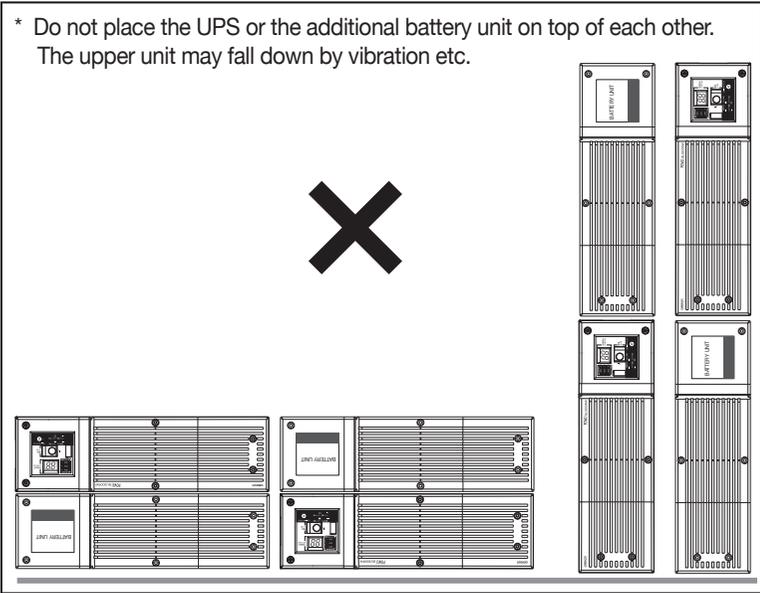
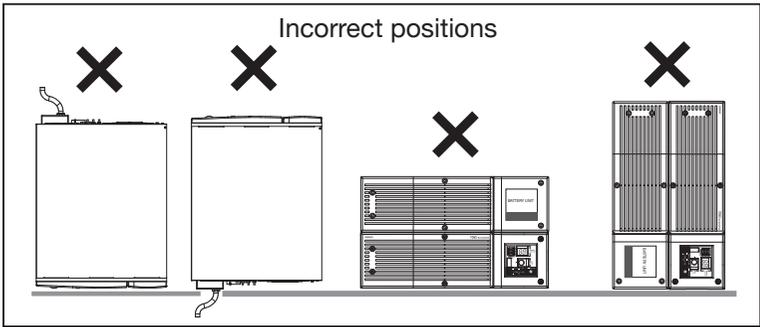
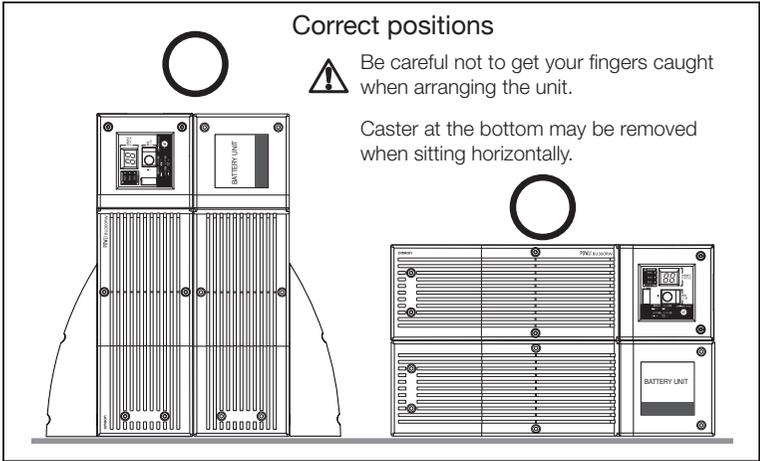
- For BUM100R



* Do not place the UPS or the additional battery unit on top of each other. The upper unit may fall down by vibration etc.



● For BUM300R

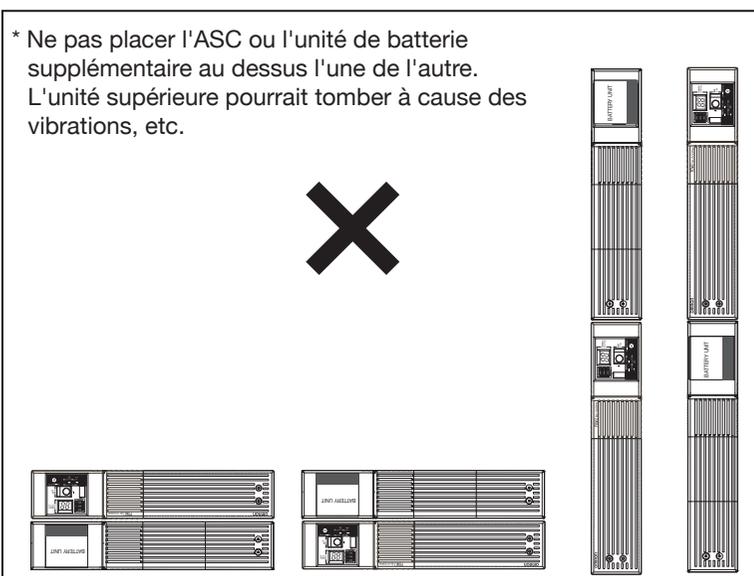
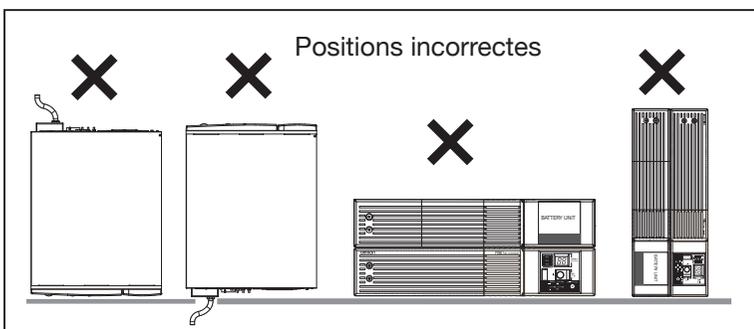
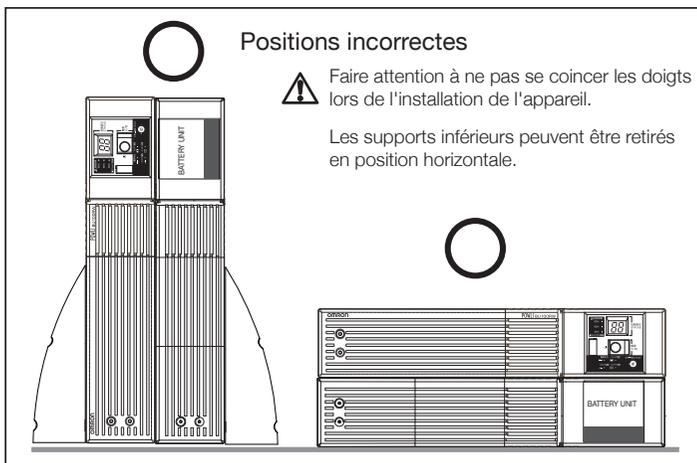


Installation

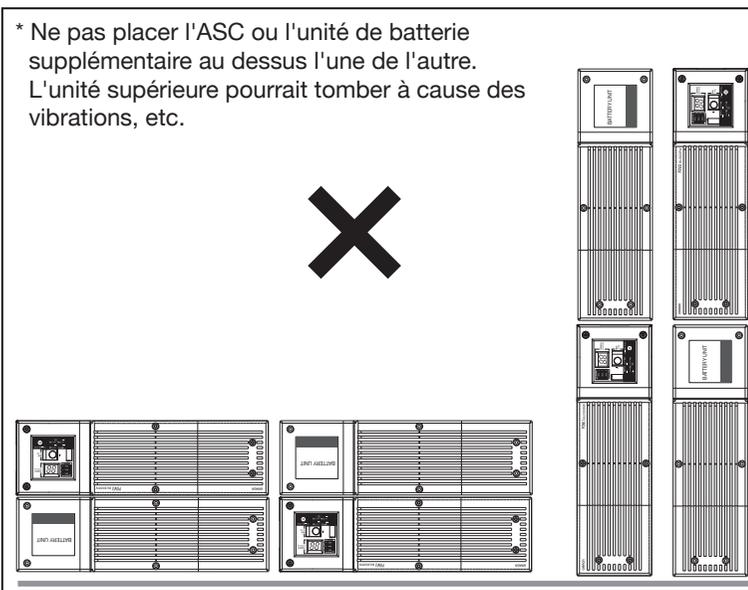
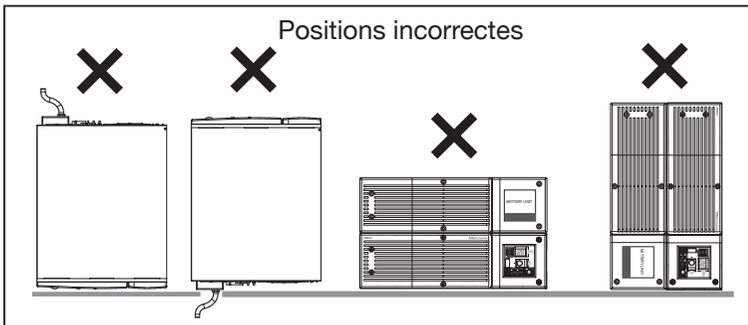
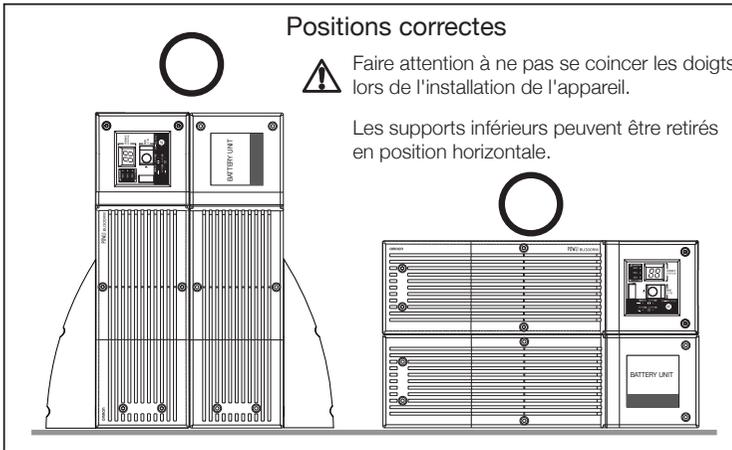
Installation de l'unité de batterie supplémentaire.

Ne pas utiliser cet appareil dans toute position autre que les positions correctes indiquées sur l'illustration ci-dessous.

● Pour le BUM100R



● Pour le BUM300R



2-1-1. Rackmount installation (EIA /JIS 19-inch rack/server rack)

Caution

When performing rack installation, ensure that the UPS is supported and stabilized by using both the support angles and the table clamps that were included. 

When connecting a battery unit and/or adding another battery unit, be sure to place the battery unit in a position lower than the main unit.

- When installing on a rack, make sure that the UPS is supported by the each unit individually.
- When installing on a rack, make sure to use the support angles and table clamps included with the product. Without the support angles, the front clamp alone cannot support the weight of the UPS.
- Weight of the UPS: BU100RW: Approx. 20kg BUM100R: Approx. 26kg
BU200RW/BU300RW: Approx. 33kg BUM300R: Approx. 42kg

In a case where the UPS is to be mounted on a rack, place it on the lowest part of the rack. 

- Dropping it may result in injury.

Be sure to use the supplied mounting screws. 

- Screws other than those supplied may not be strong enough to support the UPS, causing it to fall.

Attention

Lors d'une installation en rack, s'assurer que l'ASC est supportée et stabilisée à l'aide des équerres de soutien et des pinces de table fournies. 

Lors de la connexion d'une unité de batterie et/ou l'ajout d'une autre unité de batterie, placer l'unité de batterie plus bas que l'unité principale.

- Lors de l'installation sur un rack, s'assurer que l'ASC est soutenue par chaque unité individuellement.
- Lors de l'installation sur un rack, veiller à utiliser les équerres de soutien et les pinces de table incluses avec le produit. Sans les équerres de soutien, la pince avant ne peut supporter seule le poids de l'ASC.
- Poids de l'ASC : BU100RW : Env. 20 kg BUM100R : Env. 26 kg
BU200RW/BU300RW: Env. 33kg BUM300R: Env. 42kg

Dans le cas où l'ASC doit être montée sur un rack, la placer sur la partie la plus basse de ce rack. 

- Le laisser tomber peut entraîner des blessures.

Veiller à utiliser les vis de montage fournies. 

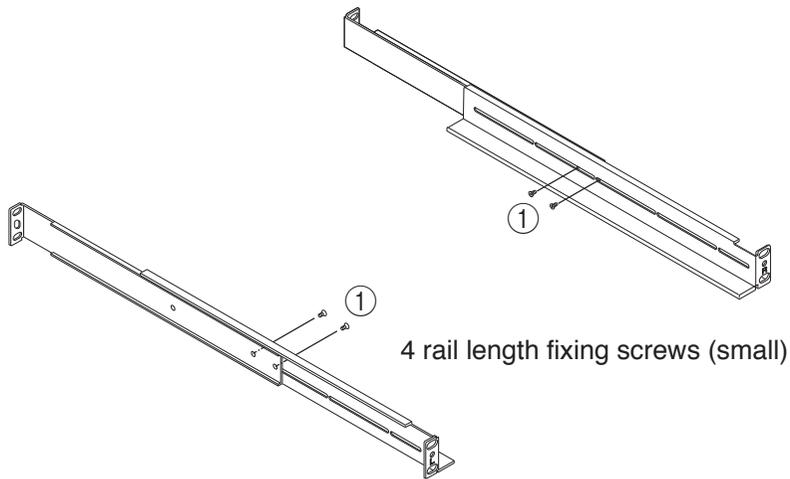
- Des vis autres que celles fournies peuvent ne pas être assez résistantes pour supporter l'ASC et entraîner sa chute.

● Items included in the 19-inch rack support angle mounting bracket set

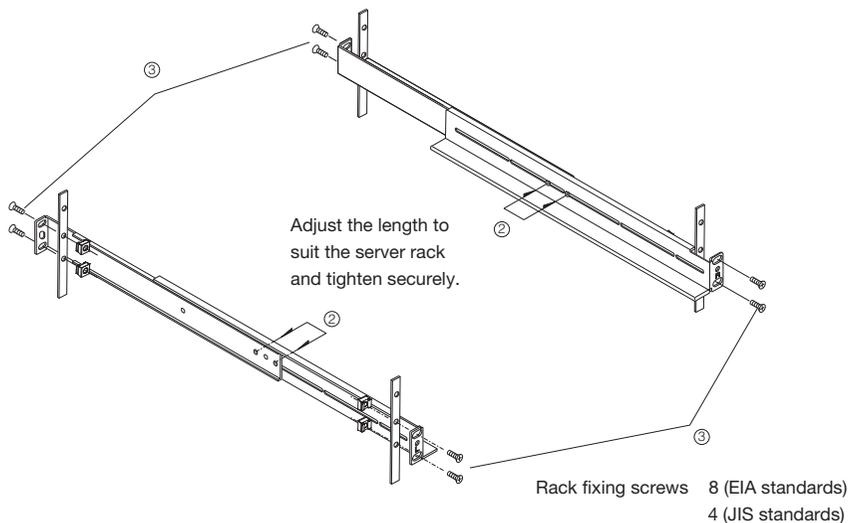
| | | |
|--|---|---|
| Rack rail (front) L | 1 | |
| Rack rail (front) R | 1 | |
| Rack rail (rear) | 2 | |
| Ear brackets | 2 | |
| Rail length fixing screws (small) | 4 |  |
| Ear bracket flush mounting screws (M4).... | 8 |  |
| Rack fixing screws (M5) | 8 |  |
| Rack fixing nuts (M5) | 8 |  |
| Unit fixing screws (M6) | 2 |  |
| Unit fixing nuts (M6) | 2 |  |

● BUM100R/BUM300R rack mounting procedure

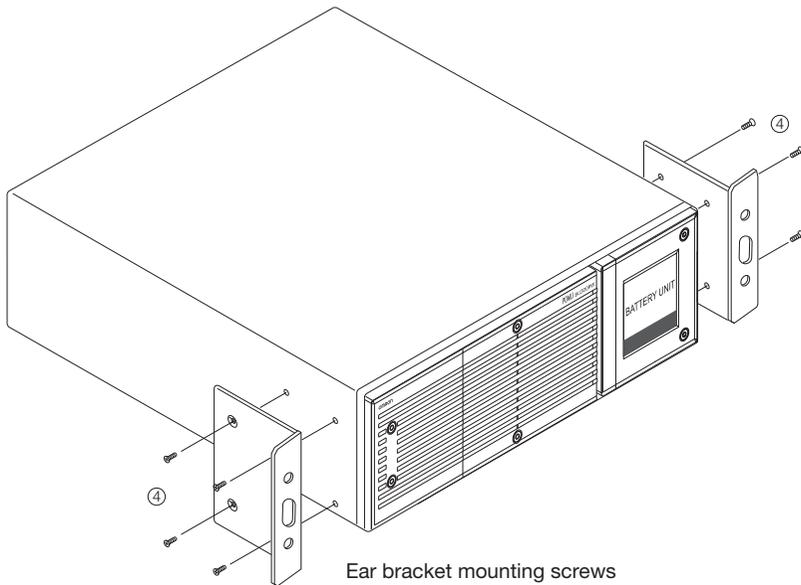
- (1) Insert the 4 included rail length fixing screws and half-tighten them to hold the front and rear rack rails in place.①



- (2) Adjust the length of support angles to suit the server rack, and then securely tighten the screws that were half-tightened in step 1. ②
- (3) Use the 8 included rack fixing screws and nuts (medium-sized) to securely fasten the front (the side displaying "L" or "R") and back of the support angles to the server rack. (EIA standards) ③ For JIS standards, use 4 sets of screws and nuts to fasten the left and right support angles (one screw and nut at the back and front of each support angle) (middle screw holes). ③

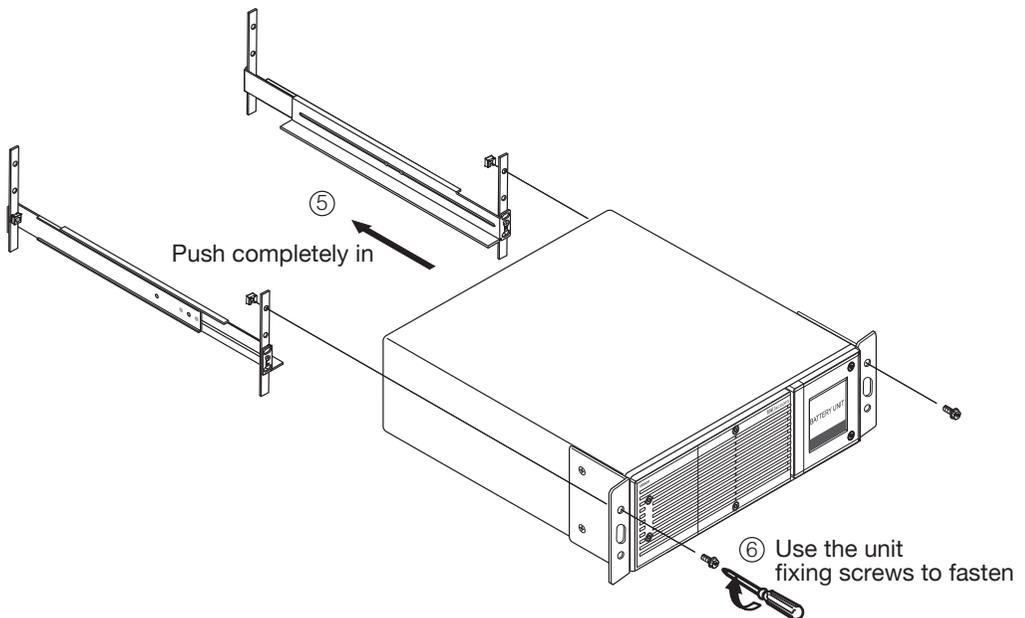


- (4) Use the 8 included ear bracket mounting screws (2 sets of 4 screws) to securely fasten the ear brackets to the left and right sides of the UPS. ④



The support angles cannot be attached to special EIA/JIS racks.

- (5) Place the UPS on the support angles and push it completely into the rack ⑤, and use the 2 included unit fixing screws and unit fixing nuts to securely fasten the ear brackets to the server rack. ⑥
If the position of the screw holes on the ear brackets do not match up with those on the JIS rack, use a single screw and the elongated screw holes in the middle of the ear brackets to fasten each the left and right bracket to the rack.



Always use the support angles.

2-1-2. Stationary installation

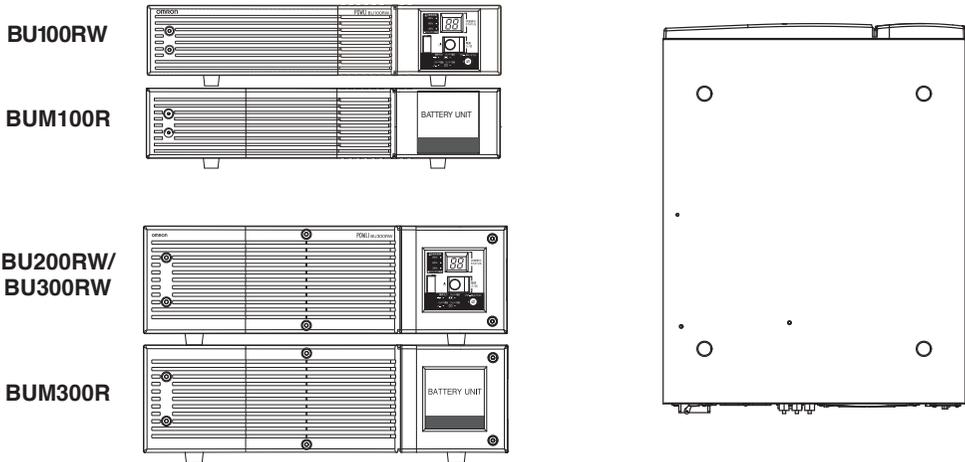
Perform installation only as shown in the diagrams below.

● Horizontal installation

Attach the included rubber feet for horizontal installation (14.5 mm depth) to the round stickers on the unit (4 locations) and position the unit horizontally.

For stationary horizontal installation, make sure that this product does not slide or fall.

Install the UPS (BU100RW/BU200RW/BU300RW) so that it sits on top of the additional battery unit (BUM100R/BUM300R).



Do not slide the unit when the rubber feet are touching the floor.

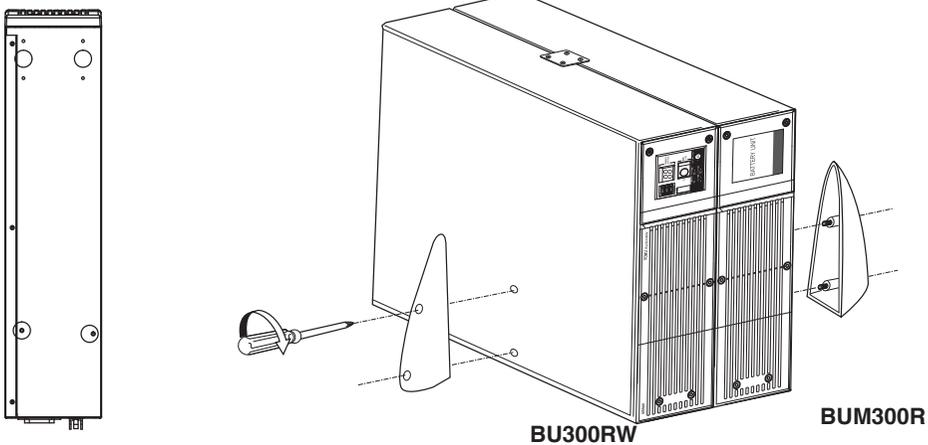
● Upright installation

Use the stand that was included with the UPS (BU100RW/BU200RW/BU300RW).

Attach the 4 rubber feet for vertical placement (height: 1.7mm) to the 4 points on the bottom surface (see diagram below).

(Attach the rubber feet included with the UPS to the 4 points on the bottom surface of the unit.

Attach one rubber foot included with the UPS to the bottom surface of each piece of the vertical stand.)



Caution

Free-standing installation

When positioning the unit vertically, use the fixing brackets for the vertical stand included with the unit.

When positioning the unit horizontally, attach the rubber feet to the bottom surface of the unit to prevent it from sliding or falling.

2-2 Connecting the additional battery unit (BUM100R/BUM300R)

You can add only one additional battery unit.

2-2-1 BUM100R connection procedure / Connectable UPS : BU100RW

- (1) Connect the additional battery cable to the BU100RW and to the connector on the back of the BUM100R battery unit. Connect the cable to the additional battery signal connector.
 - (2) Turn ON the overcurrent protection switch on the back of the BUM100R battery unit.
- The battery addition lamp on the unit's operation panel lights up after the unit's AC input is connected to a wall outlet (commercial power).

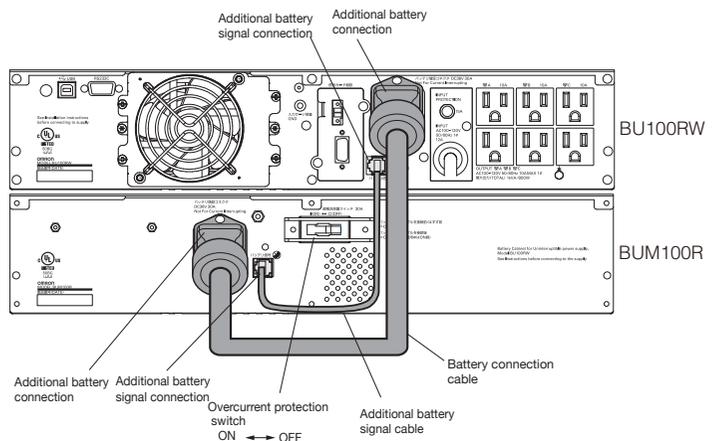
* When disconnecting the BUM100R, first disconnect the additional battery signal cable, and then disconnect the additional battery cable.

When an 800W device is connected, the backup time is approximately 30 minutes (initial battery value at an ambient temperature of 20°C). When the battery is completely discharged, it takes 24 hours to charge.

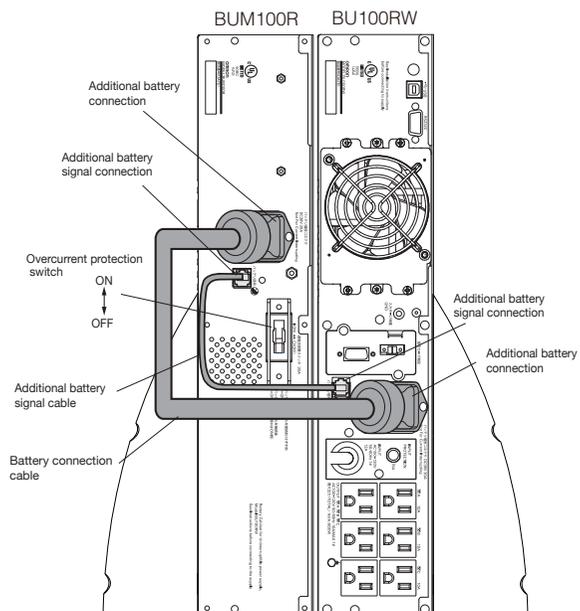


Pay attention to the guide when connecting the additional battery cable.

<Horizontal Position>



<Vertical Position>



2-2-2 BUM300R connection procedure / Connectable UPS : BU200RW/BU300RW

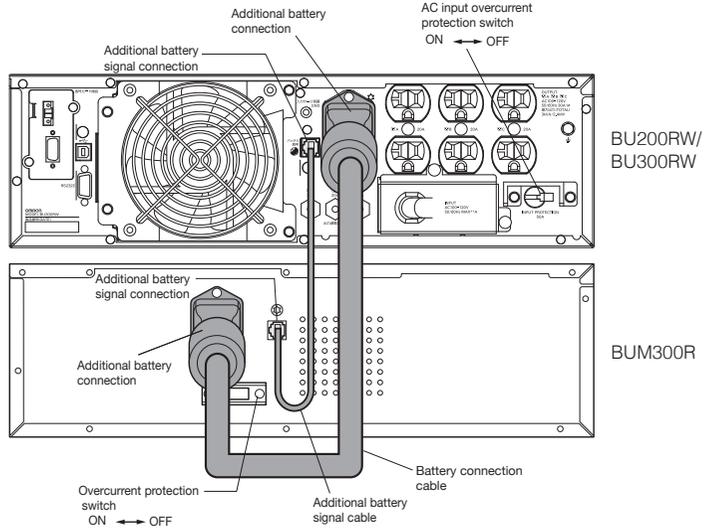
- (1) Connect the additional battery cable to the UPS and the connector on the back of the battery unit.
Connect the signal connection cable to the additional battery signal connector also.
- (2) Turn ON the overcurrent protection switch on the back of the battery unit and the INPUT PROTECTION switch (input overcurrent protection switch) on the back of the UPS.

When a 2400W device is connected, the backup time is approximately 18 minutes (initial battery value at an ambient temperature of 20°C).
When the battery is completely discharged, it takes 24 hours to charge.

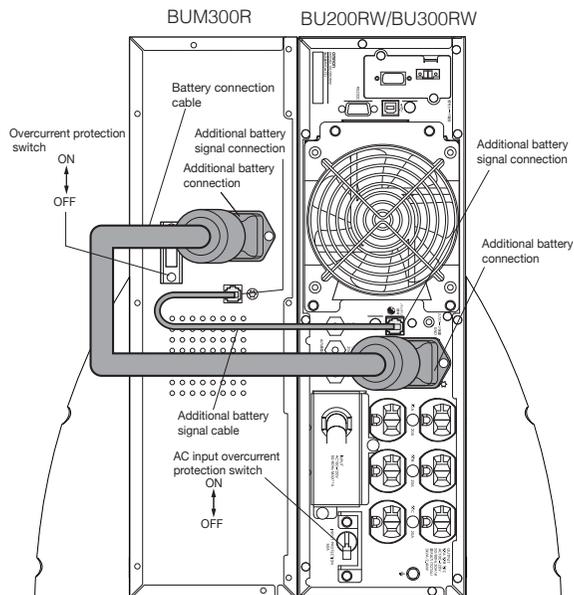


Pay attention to the guide when connecting the additional battery cable.

<Horizontal Position>



<Vertical Position>



3. Replacing the battery

The battery can be replaced while the UPS is stopped. (power supply output stopped)

Caution

When performing battery replacement while the unit is installed vertically, first replace the upper battery pack before replacing the lower battery pack.

- The unit may fall over if the lower battery pack is removed first.

Caution

When an additional battery unit (BUM100R/BUM300R) is connected to the UPS, replace the UPS battery when replacing the batteries of the additional battery unit. You cannot perform battery replacement of the additional battery unit only.

Caution

When the UPS is used in compliance with UL standards, do not replace the battery while in operation (while power is being output). Replacing the battery while in operation does not comply with UL standards. Replace the battery while UPS operation is stopped.

Attention

Lors du remplacement de la batterie lorsque l'appareil est installé verticalement, remplacer d'abord la batterie supérieure avant de remplacer la batterie inférieure.

- L'appareil peut tomber si la batterie inférieure est retirée en premier.

Attention

Quand une unité de batterie supplémentaire (BUM100R/BUM300R) est connectée à l'ASC, remplacer la batterie de l'ASC lors du remplacement des batteries de l'unité de batterie supplémentaire. Ne jamais effectuer le remplacement de la batterie de l'unité de batterie supplémentaire uniquement.

Attention

Lorsque l'ASC est utilisée conformément aux normes UL, ne pas remplacer la batterie pendant le fonctionnement (lorsqu'une alimentation est délivrée en sortie). Le remplacement de la batterie pendant le fonctionnement n'est pas conforme aux normes UL. Remplacer la batterie lorsque l'ASC est éteint.

* To replace the battery while the UPS is stopped, stop the connected devices, turn OFF the UPS power switch, and either disconnect the AC input from the commercial power source or turn OFF the INPUT PROTECTION switch (overcurrent protection switch) on the back of the unit.

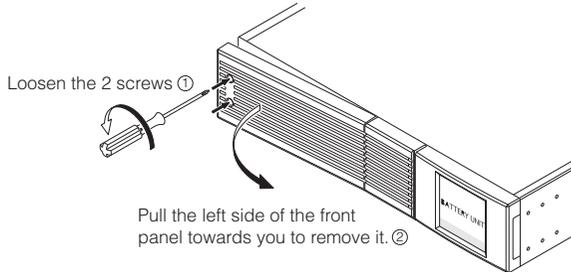
* If an input power supply error such as a power failure occurs when replacing the battery while in operation, backup cannot be performed and output stops.

* Do not replace the battery during backup operation. Output will stop.

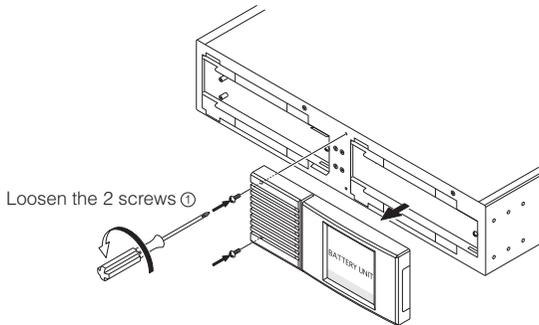
■ Additional battery unit (BUM100R) replacement procedure

For information on UPS battery replacement procedure, refer to the UPS instruction manual.

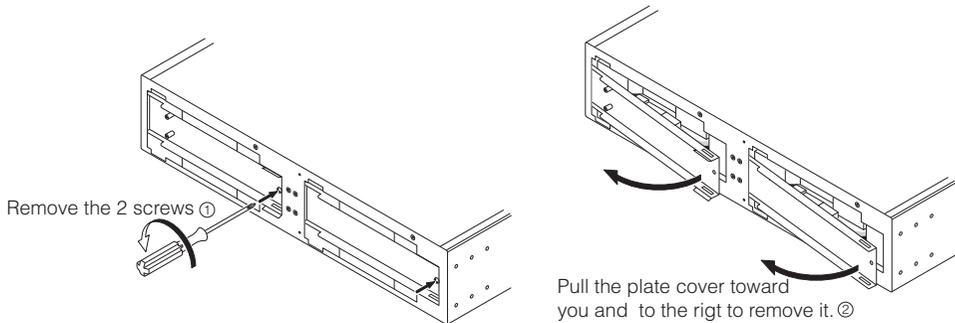
1. Use a screwdriver to loosen (turn counter-clockwise) the 2 screws at the left side of the BUM100R front panel of the unit, until they turn freely. (The screws cannot be removed from the front panel.) ①
Pull the left side of the front panel towards you to remove it. ②



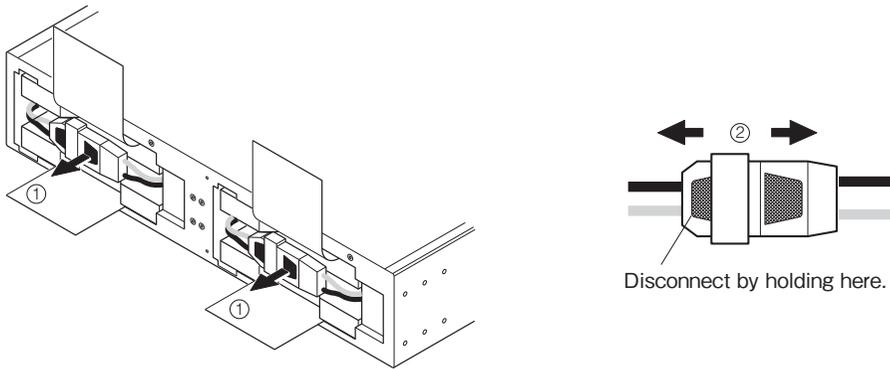
-
2. Use a screwdriver to loosen (turn counter-clockwise) the 2 screws at the logo panel of the unit and remove the logo panel. ①



-
3. Remove (turn counter-clockwise) the screws (on the right side) that hold the plate cover in place. ①
Pull the plate cover toward you and to the right to remove it. ②



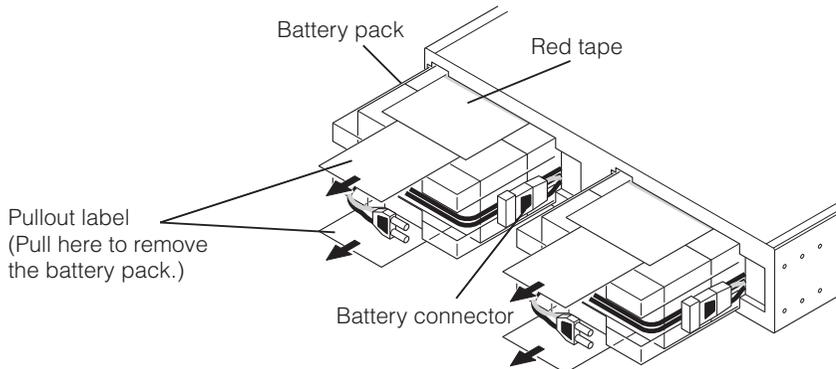
4. Remove the 2 battery connectors from the detached plate cover ① and disconnect the connectors. ②



5. Remove the battery pack by pulling on the pullout label at the top and bottom of the battery pack.

| | |
|---|------------------|
|  | Caution |
| Do not hold the connector of cable of the battery pack. | |
|  | Attention |
| Ne pas tenir le connecteur du câble de la batterie. | |

Use the red tape on top of the battery pack, which is 10 cm from the inner edge of the battery, to gauge how much further you need to pull the battery to remove it. Hold the battery securely with both hands so as not to drop it.



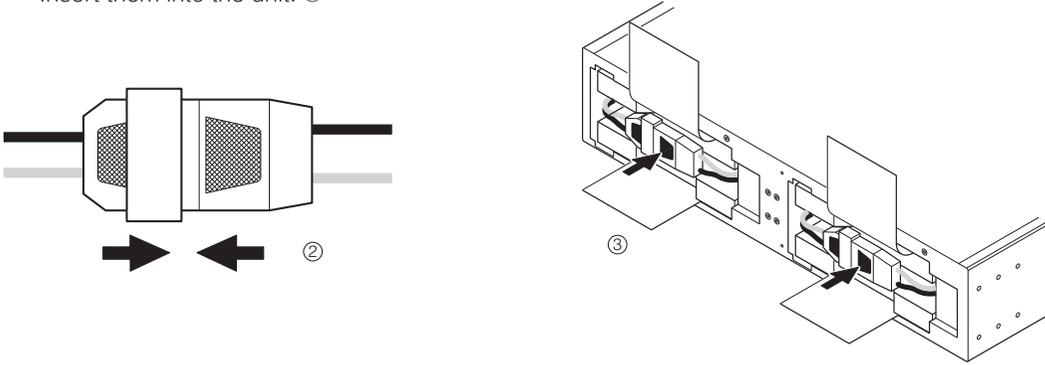
6. Insert 2 new battery packs upright into the additional battery unit as far as they will go. ①

● **Replacement battery pack**

For BUM100R : Model number BUB100R (2 required)

Securely connect the battery connectors. ②

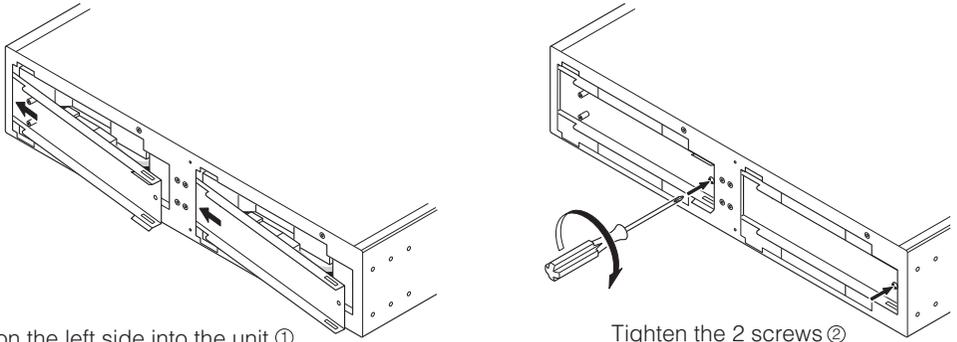
Insert them into the unit. ③



7. Attach the plate cover.

Insert the tabs on the left side of the plate cover into the two holes in the BUM100R ①, and push the plate cover toward the BUM100R. Secure the connectors to the plate cover. ②

Securely tighten each of the screws that were removed from the right side of the plate cover.

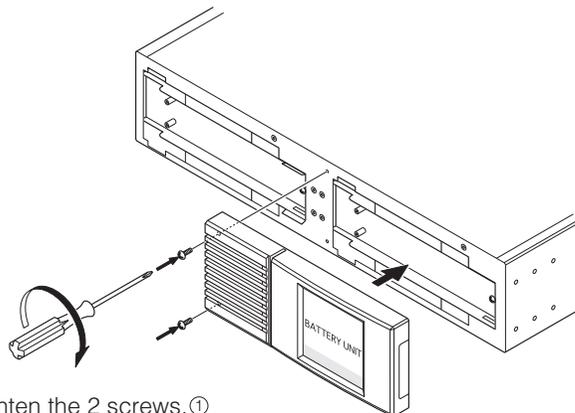


Insert the tab on the left side into the unit. ①

Tighten the 2 screws ②

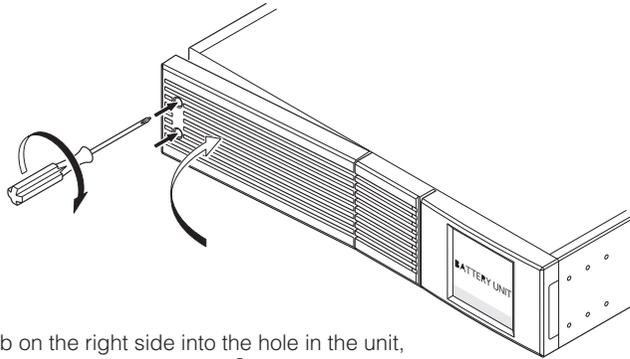
8. Attach the right side of the front panel (the part with the "BATTERY UNIT" label).

Securely tighten the 2 screws on the left side of the front panel. ①



Securely tighten the 2 screws. ①

-
9. Attach the left side of the front panel.
Insert the tab on the right side of the panel into the unit, and push the panel toward the unit. ①
Use a screwdriver to securely tighten (turn clockwise) the 2 screws on the left side of the front panel. ②



Insert the tab on the right side into the hole in the unit,
and push the panel toward the unit. ①
Securely tighten the 2 screws. ②

Battery replacement is now complete.

<After replacing the battery during operation...>

If the battery replacement indicator is ON and beep sounds before replacing the battery, press the beep stop/test button once to stop the beep and then press the button for 5 and more seconds to perform a self-diagnostic test. Normal operation resumes after the test for about 10 seconds.

<After replacing the battery with operation stopped...>

Connect the AC input to a commercial power source, and turn ON the BUM100R/300R power switch.

When operation starts, the self-diagnostic test is automatically performed. Normal operation resumes after 10-second test.



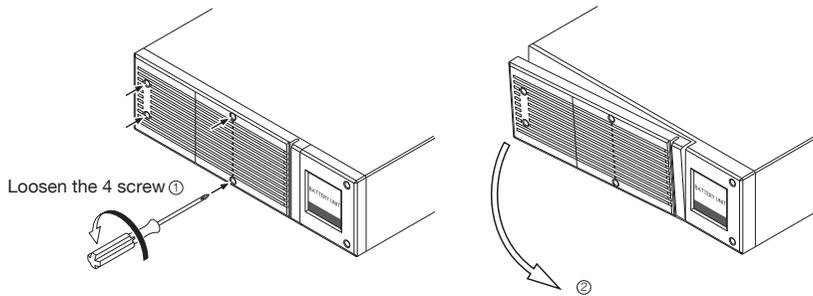
Write the date you start using the battery on the included battery replacement date label, and attach it to BUM100R/300R.

Also, the UPS monitoring software included with the UPS enables to keep a record of the software usage start date

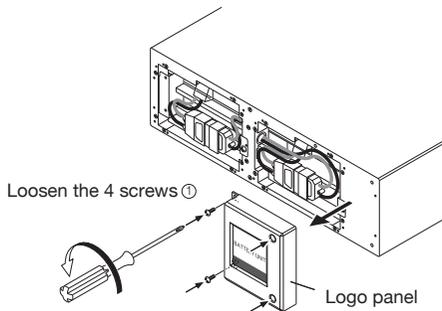
■ Additional battery unit (BUM300R) replacement procedure

For information on UPS battery replacement procedure, refer to the UPS instruction manual.

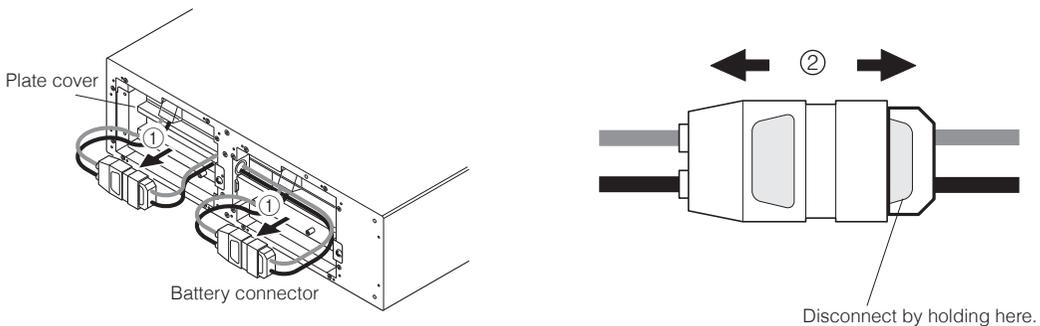
1. Use a screwdriver to loosen (turn counter-clockwise) the 4 screws at the top of the front panel of the unit, until they turn freely. (The screws cannot be removed from the front panel.) ①
Pull the left side of the front panel towards you to remove it. ②



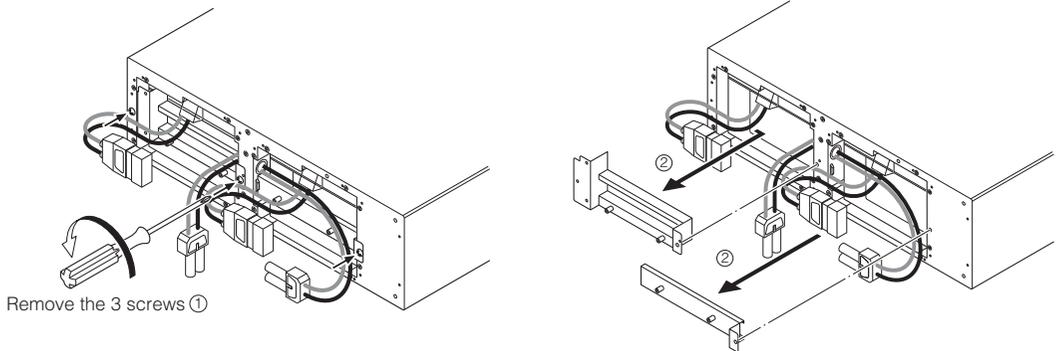
2. Use a screwdriver to loosen (turn counter-clockwise) the 4 screws at the logo panel of the unit and remove the logo panel. ①



3. Remove the 2 battery connectors from the detached plate cover (1) and disconnect the connectors. ②



-
4. Remove (turn clockwise) the screws that hold each plate cover in place (2 screws on the left side, 1 screw on the right side). ①
Pull the plate cover towards you and lift it up to remove it. ②

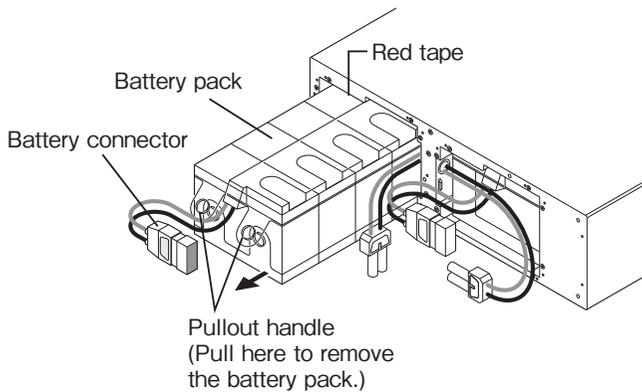


5. Grasp the battery pack handle and pull it out.

Caution
Do not hold the connector of cable of the battery pack.

Attention
Ne pas tenir le connecteur du câble de la batterie.

Use the red tape on top of the battery pack, which is 10 cm from the inner edge of the battery, to gauge how much further you need to pull the battery to remove it. Hold the battery securely with both hands so as not to drop it.



6. Insert 2 new battery packs into the additional battery unit as far as they will go. ①

● **Replacement battery pack**

For BUM300R : Model number BUB300R (2 required)

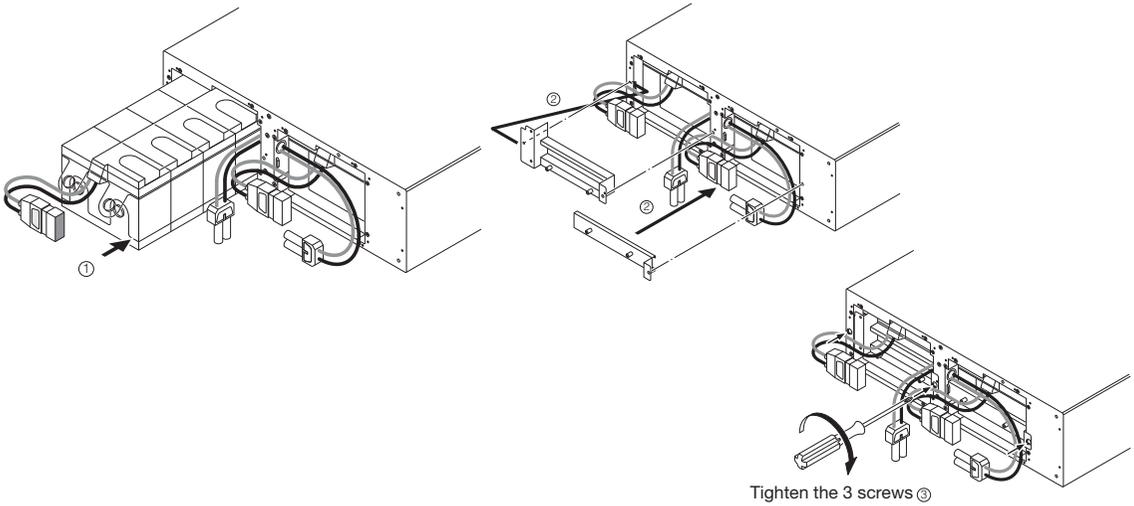
Attach the plate cover.

Insert the lug at the left of the cover into the hole in the main body and push it towards the main body. ②

Make sure to fit the left side of the plate cover into the inner side of the additional battery unit case.

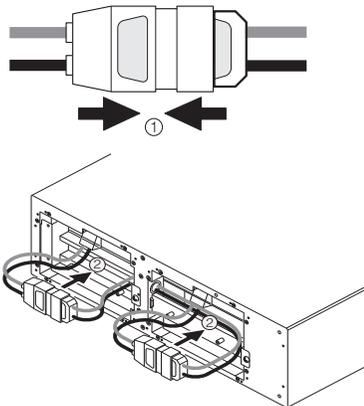
Use a screwdriver to securely tighten (turn clockwise) the 3 removed screws (2 on the left and 1 on the right). ③

Do not pinch the cable with the plate cover.

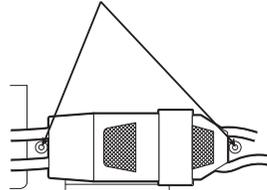


7. Securely connect the connectors. ①
Secure the connectors to the plate cover. ②

You may hear a “pop” sound when you connect the battery if it is replaced after the unit’s operation is stopped, but this sound is not abnormal.

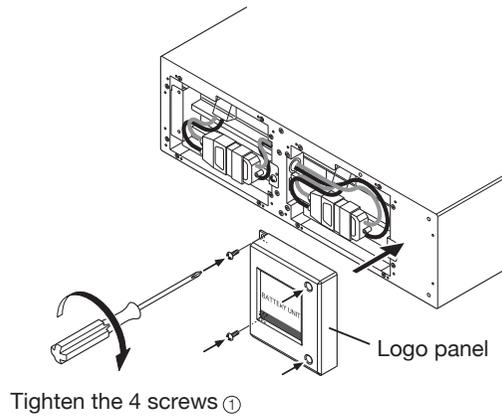


Secure the connectors by inserting them between the 2 supports on the plate cover.

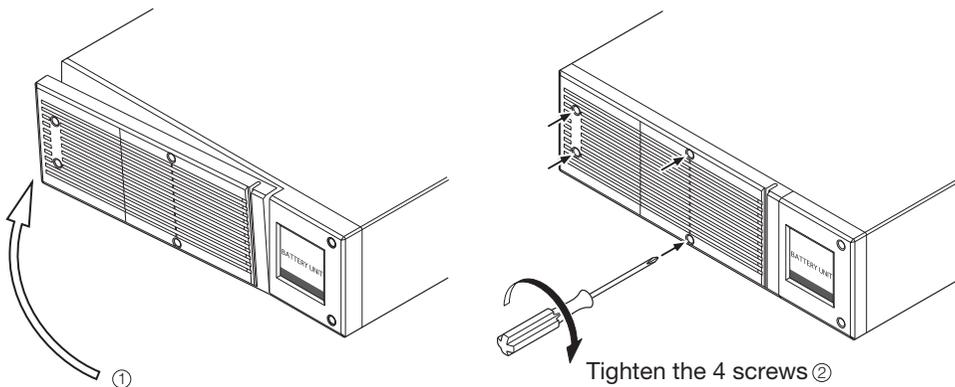


**If you cannot secure a connector to the plate cover, the connector is not completely connected.
Connect the connector again.**

-
- 8.** Attach the logo panel.
Use a screwdriver to securely tighten (clockwise) the 4 screws at the top of at the logo panel of the unit. ①



-
- 9.** Attach the front panel.
Move the front panel in the right and push it towards the main body ①
Use a screwdriver to securely tighten (clockwise) the 4 screws at the top of the front panel. ②



Battery replacement is now complete.

<After replacing the battery during operation...>

Press the beep stop/test button for 5 to 10 seconds, to perform a self-diagnostic test. Normal operation resumes after the test for about 10 seconds. If the beeping sounds, the beeping stops at the first press of the button and starts test in the second press of the button.

If the battery replacement indicator is ON and beep sounds before replacing the battery, the indicator is OFF and beep stops after test completion, and normal operation resumes.

<After replacing the battery with operation stopped...>

Connect the AC input to a commercial power source, and turn ON the overcurrent protection switch and UPS power switch. When operation starts, the self-diagnostic test is automatically performed. Normal operation resumes after the 10-second test.



Write the date you start using the battery on the included battery replacement date label. Also, the UPS monitoring software included with the UPS enables to, keep a record of the software usage start date.

Notes

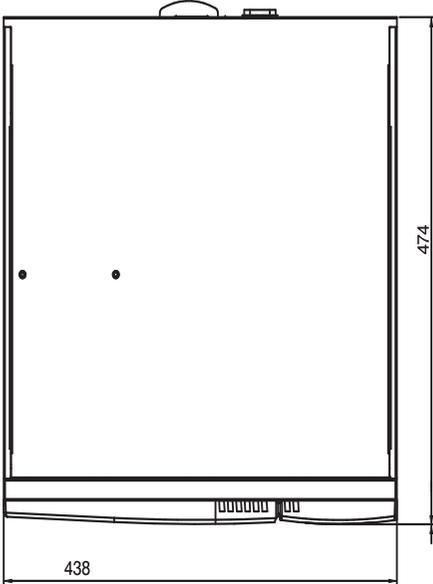
This unit uses a lead acid battery.

- Lead acid batteries are a valuable recyclable resource. Please recycle.
- For information about recycling, please contact our Electronic Systems & Equipments repair center.

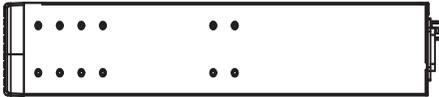
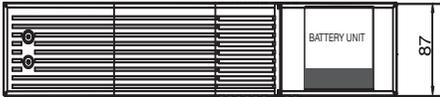


4. Dimensions

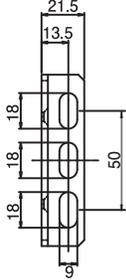
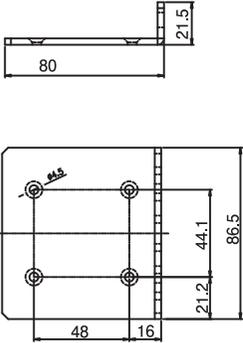
- BUM100R



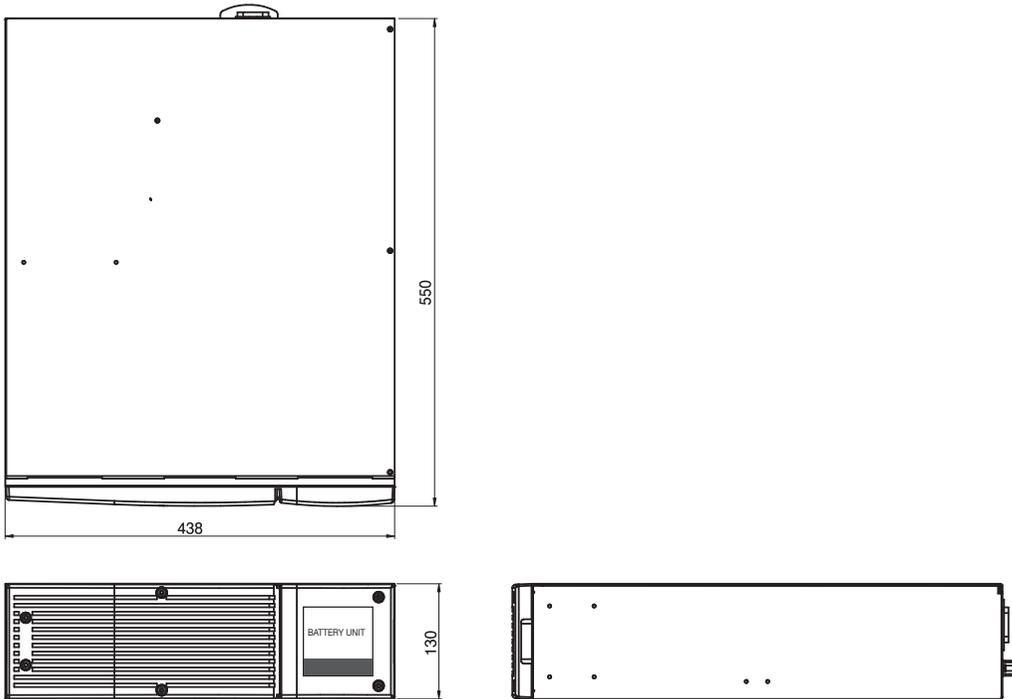
<Unit: mm/ Tolerance: ±1mm>



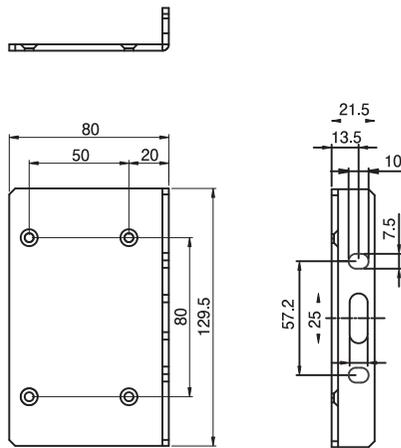
- Ear brackets



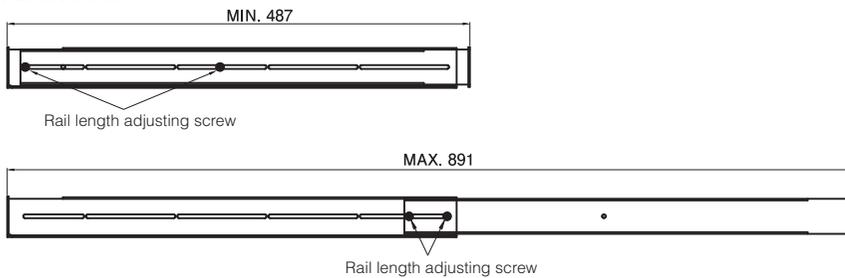
• BUM300R



• Ear brackets



• Rack rails



K1L-D-07120F