

3M BC-210 and BP-15

Smart Battery Charger BC-210 and Battery Pack BP-15

User Instructions

IMPORTANT: *Keep these User Instructions for reference*

Chargeur intelligent BC-210 et bloc-piles BP-15

Directives d'utilisation

IMPORTANT : *Conserver ces directives à titre de référence.*

Cargador inteligente de Batería BC-210 y Batería BP-15

Instrucciones

IMPORTANTE: *Conserve estas Instrucciones para referencia futura.*

Carregador de Bateria Inteligente BC-210 e Bateria BP-15

Instruções de uso

IMPORTANTE: *Guarde estas Instruções de Uso para referência.*

 WARNING	
The 3M™ Smart Battery Charger BC-210 is intended to charge the 3M™ Battery Pack BP-15 for use with the 3M™ Breathe Easy™ Bolt-Mounted Turbo or 3M™ GVP PAPR Unit.	
List of Warnings and Cautions within these <i>User Instructions</i>	
 WARNING	
This product is part of a respiratory protection system that helps protect against certain airborne contaminants. Misuse may result in sickness or death. For proper use, see supervisor, or <i>User Instructions</i> , or call 3M™ in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414	
Not for use in environments requiring intrinsic safety.	
If the red light on the 3M™ Battery Pack BP-15 comes on, immediately leave the work area and recharge the battery.	
Charge battery only in clean, well-ventilated, non-hazardous locations.	
Charge 3M™ Battery Pack BP-15 only with 3M™ Smart Battery Charger BC-210. Battery should be connected to the BC-210 charger when not in use.	
For infrequently used batteries, or batteries for long-term storage (longer than 3 months), the recommended method of storage is to leave the battery connected to the charger.	
If stored off the charger, fully charge battery prior to storing and recharge once every three months if not used sooner.	
Battery should not be left in a discharged state. Recharge battery immediately after use.	
Do not allow water to enter battery case.	
Sealed unit-do not disassemble.	
Must be recycled or disposed of properly. Do not incinerate.	
Failure to comply with the above instructions may cause fire or explosion or could adversely affect respirator performance and result in personal injury, sickness or death.	
<i>Use of the Battery Pack:</i>	
The 3M™ Battery Pack BP-15 should be placed on the 3M™ Smart Battery Charger BC-210, and fully charged immediately upon receipt. It may take up to 3 charge/discharge cycles for new batteries to reach full capacity. The battery can be discharged by connecting to the motor-blower and running until air flow starts to diminish. Do not short circuit the battery to discharge it.	
- The 3M™ Battery Pack BP-15 has a red indicator light, located on the top of the battery by the switch. The red light indicates that the battery has reached a point that it must be recharged. The battery has a low-voltage detection circuit that will engage shortly after the red light comes on. When it engages, the battery will shut down and the turbo will stop running. Therefore, when the red light comes on, immediately leave the work area and recharge the battery. Note: If the battery has been run down enough to engage the low voltage detection circuit, the red light will no longer function until the battery has been recharged. - Charge the 3M™ Battery Pack BP-15 only with the 3M™ Smart Battery Charger BC-210. - Operational time of battery will be reduced as the operating temperature goes down. - To properly dispose of the 3M™ Battery Pack BP-15, follow local solid waste disposal regulations or call the RRBC Battery Recycling Information Help line at 1 800 8 BATTERY (1 800-822-8837).	
Failure to conduct an inspection and complete all necessary repairs before use may adversely affect performance and result in sickness or death.	
Failure to comply with the above instructions may cause electric shock, fire or explosion or could adversely affect respirator performance and result in personal injury, sickness or death.	

Important
Before use, the wearer must read and understand these *User Instructions*, the *User Instructions* for the intended Powered Air Purifying Respirator (PAPR) and the *User Instructions* for the intended headgear. Keep these *User Instructions* for reference.

Definitions of Product Icons

	- Attention, consult ACCOMPANYING DOCUMENTS
	- Dangerous voltage
	-“Attention, consult ACCOMPANYING DOCUMENTS”
	-“On” symbol – Turn system ON
	-“Standby” symbol – Place system in Standby
	- Charge Status of Battery
	- Do not throw in trash. Dispose of product as directed by local, regional and national waste regulations.

Specifications

Weight	BC-210 Smart Battery Charger (BC-100 and BC-210A CAM Module): Approximately 1.7 lb (771 g) Battery pack (NIMH): Approximately 1.8 lb (830 g)
Battery Charging Temperature	50°F to 90°F (10°C to 32°C)
Storage Temperatures	Battery Pack The recommended dry storage conditions (less than 85% relative humidity) for the battery is -4°F to 115°F (-20°C to 45°C). Storage of the battery outside this range will shorten the usable life of the battery. Avoid prolonged storage at temperatures above 120°F (49°C).

Lorsqu'on utilise des produits électriques, toujours respecter certaines précautions de base, notamment celles ci-dessous.

- LIRE ET SUIVRE TOUTES LES DIRECTIVES DE SÉCURITÉ.
- Lire et suivre toutes les consignes indiquées sur le produit ou fournies avec ce dernier.
- Pour un appareil électrique à branchement direct ou par cordon d'alimentation, ne pas utiliser de rallonge électrique.
- Pour un appareil électrique à branchement direct ou par cordon d'alimentation, ne pas utiliser ou installer à moins de 10 pieds d'une piscine.
- Pour un appareil électrique à branchement direct ou par cordon d'alimentation, ne pas utiliser dans une salle de bain.

CONSERVER CES DIRECTIVES – Le présent manuel contient des directives de sécurité et d'utilisation importantes relatives aux appareils électriques.

 ADVERTENCIA	
Este producto es parte de un sistema de protección respiratoria que ayuda a proteger contra ciertos contaminantes suspendidos en el air. El mal uso puede ocasionar enfermedad o incluso la muerte. Para su uso adecuado consulte a su supervisor, lea las <i>Instrucciones</i> , o llame a 3M en EUA al 1-800-243-4630. En Canadá llame al Servicio Técnico al 1-800-267-4414. En México llame al 01-800-712-0646. O contacte a 3M en su país.	
INSTRUCCIONES IMPORTANTES SOBRE SEGURIDAD	
Al usar productos eléctricos siempre debe tomar las medidas de precaución básicas, que incluyen:	
1. LEA Y SIGA TODAS LAS INSTRUCCIONES SOBRE SEGURIDAD.	
2. Lea y siga todas las instrucciones del producto o incluidas con éste.	
3. No use una extensión eléctrica para una unidad con corriente eléctrica o conexión directa.	
4. No instale o use a una distancia dentro de 10 pies lejos de una alberca si utiliza una unidad con corriente eléctrica o conexión directa.	
5. No use el en baño si utiliza una unidad con corriente eléctrica o conexión directa.	
GUARDE ESTAS INSTRUCCIONES – Este manual contiene información importante sobre seguridad y operación de las unidades de energía/corriente.	

 ADVERTÊNCIA	
Este produto é parte de um sistema de proteção respiratória que ajuda a proteger contra certos contaminantes transportados pelo ar. O uso inadequado pode resultar em enfermidade ou morte. Para o uso adequado, consulte o supervisor, ou as <i>Instruções de Uso</i> , ou ligue para a 3M nos EUA, 1-800-243-4630. No Canadá, ligue para o Serviço Técnico no telefone 1-800-267-4414. No Brasil ligue para o disque segurança 0800 0550705.	
INSTRUÇÕES DE SEGURANÇA IMPORTANTES	
Al usar produtos elétricos, devem-se sempre por em prática precauções básicas, que incluem o seguinte:	
1. LER E SEGUIR TODAS AS INSTRUÇÕES DE SEGURANÇA.	
2. Ler e seguir todas as instruções que estão no produto ou que são fornecidas com o produto.	
3. Não use uma extensão elétrica para uma unidade com corrente elétrica o conexão directa.	
4. Não instale o use a uma distância dentro de 10 pies lejos de uma alberca si utiliza una unidad con corriente eléctrica o conexión directa.	
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GUARDE ESTAS INSTRUCCIONES – Este manual contém informação importante sobre seguridad y operación de las unidades de energía/corriente.

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 WARNING
Not for use in environments requiring intrinsic safety.
If the red light on the 3M™ Battery Pack BP-15 comes on, immediately leave the work area and recharge the battery.
Charge battery only in clean, well-ventilated, non-hazardous locations.
Charge 3M™ Battery Pack BP-15 only with 3M™ Smart Battery Charger BC-210. Battery should be connected to the BC-210 charger when not in use.
For infrequently used batteries, or batteries for long-term storage (longer than 3 months), the recommended method of storage is to leave the battery connected to the charger.
If stored off the charger, fully charge battery prior to storing and recharge once every 3 months if not used sooner.
Battery should not be left in a discharged state. Recharge battery immediately after use.
Do not allow water to enter battery case.
Sealed unit-do not disassemble.
Must be recycled or disposed of properly. Do not incinerate.
Failure to comply with the above instructions may cause fire or explosion or could adversely affect respirator performance and result in personal injury, sickness or death.

Use of the Battery Pack:
The 3M™ Battery Pack BP-15 should be placed on the 3M™ Smart Battery Charger BC-210, and fully charged immediately upon receipt. It may take up to 3 charge/discharge cycles for new batteries to reach full capacity. The battery can be discharged by connecting to the motor-blower and running until air flow starts to diminish. Do not short circuit the battery to discharge it.

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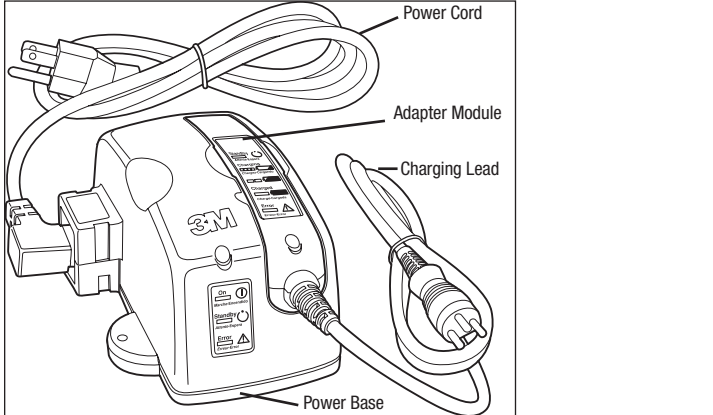


Fig. 1 3M™ Smart Battery Charger BC-210

 WARNING
There are no field-serviceable parts inside the smart battery charger. Do not attempt to open the charger case or expose the charger to moisture. Doing so may result in serious bodily injury or death due to electrical shock.
- The 3M™ Smart Battery Charger BC-210 can be connected (up to ten chargers) to produce a multi-station charger. To connect, first make sure that the charger power cord is unplugged from the electrical outlet. Remove the socket cover from the BC-210 and save for later use. From the bottom of the BC-210 on the semi-circle area remove the screw. Slide male connection on the left of the charger into the female connection on the right side of the other charger. Insert and tighten the screw in the hole from which it was removed. This should now make an assembly of the BC-210s. Add additional 3M™ Smart Battery Charger BC-210 in the same manner up to a maximum of ten (10) chargers total. When ten (10) chargers are assembled the maximum rated current draw is 6.0 amps. The maximum current rating for a single charger is 0.60 amps. - The 3M™ Smart Battery Charger BC-210 adapter module unit should not be regularly removed from the power base. Frequent removal of the adapter module may damage electrical contacts in the power base and cause the charger to malfunction. - The 3M™ Smart Battery Charger BC-210 should be used in a clean atmosphere free of particulates or other contamination. Particles deposited in between the adapter module and the power base may interfere with proper function of the charger. If the adapter module is removed to clean the power base unit, only compressed air dusters should be used. Aggressive cleaning of the power base or adapter module may damage electrical contacts and cause the charger to malfunction.

Spécifications	
Poids	Chargeur intelligent BC-210 (BC-100 et module CAM BC-210A) : environ 771 g (1,7 lb) Bloc-piles (NiMH) : environ 830 g (1,8 lb)
Plage de températures de charge de la pile	10 à 32°C (50 à 90°F)
Températures d'entreposage	Bloc-piles Les conditions d'entreposage recommandées à moins de 85% d'humidité relative sont de -20 à 45°C (-4 à 115°F). L'entreposage de la pile hors de ces conditions en accélérera la durée utile. Éviter l'entreposage prolongé à plus de 49°C (120°F).

Si le voyant rouge du bloc-piles BP-15 3M™ s'allume, quitter immédiatement la zone de travail et recharger la pile.

Ne charger la pile que dans des endroits propres bien ventilés et ne présentant aucun danger.

Charger le bloc-piles BP-15 3M™ uniquement avec le chargeur intelligent BC-210 3M™. Lorsque la pile est inutilisée, la brancher au chargeur intelligent BC-210 3M™.

Laisser les piles branchées au chargeur si elles sont peu utilisées ou entreposées pendant des périodes prolongées (plus de trois mois).

Charger complètement la pile avant de l'entreposer hors du chargeur et la recharger tous les trois mois si elle n'est pas utilisée avant.

La pile doit être toujours chargée complètement. La recharger immédiatement après l'avoir utilisée.

L'eau ne doit pas pénétrer dans le boîtier de la pile.

Bloc-piles scellé, ne pas démonter.

Doit être recyclé ou mis au rebut convenablement. Ne pas incinérer.

Ne pas ouvrir le boîtier et éviter que de l'eau n'y pénètre.

Le boîtier ne contient aucune pièce pouvant être réparée.

Ne charger que dans des endroits propres bien ventilés et ne présentant aucun danger.

Utiliser uniquement à l'intérieur.

Remplacer immédiatement les cordons défectueux.

Le chargeur ne contient aucune pièce pouvant être réparée. Ne pas tenter d'ouvrir le boîtier du chargeur et ne pas exposer ce dernier à l'humidité. **Tout manquement à ces directives risque de causer un choc électrique et de provoquer des blessures graves ou la mort.**

Tout manquement aux directives ci-dessus peut entraîner un choc électrique, un incendie ou une explosion et provoquer des blessures ou la mort. Ne pas relies plus de 10 chargeurs à la fois.

Ne pas nettoyer avec des solvants. Le nettoyage avec des solvants peut endommager certains composants et réduire l'efficacité. Inspecter tous les composants avant chaque utilisation afin de s'assurer qu'ils sont en bon état de marche. **Tout manquement à ces directives peut provoquer des problèmes de santé ou la mort.**

Le fait de ne pas procéder à une inspection et de ne pas effectuer toutes les réparations nécessaires avant l'utilisation peut diminuer l'efficacité et provoquer des problèmes de santé ou la mort.

Tout manquement aux directives ci-dessus peut causer un choc électrique, un incendie, une explosion ou diminuer l'efficacité du respirateur et provoquer des blessures, des problèmes de santé ou la mort.

ADVERTENCIA
Este producto es parte de un sistema de protección respiratoria que ayuda a proteger contra ciertos contaminantes transportados pelo ar. **O uso inadequado pode resultar em enfermidade ou morte.** Para o uso adequado, consulte o supervisor, ou as *Instruções de Uso*, ou ligue para a 3M nos EUA, 1-800-243-4630. No Canadá, ligue para o Serviço Técnico no telefone 1-800-267-4414. No Brasil ligue para o disque segurança 0800 0550705.

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INSTRUÇÕES DE SEGURANÇA IMPORTANTES
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1. LER E SEGUIR TODAS AS INSTRUÇÕES DE SEGURANÇA.

2. Ler e seguir todas as instruções que estão no produto ou que são fornecidas com o produto.

3. Não use uma extensão elétrica para uma unidade com corrente elétrica o conexão directa.

4. Não instale ou use a uma distância dentro de 10 pies lejos de una alberca si utiliza una unidad con corriente eléctrica o conexión directa.

5. No use el en baño si utiliza una unidad con corriente eléctrica o conexión directa.

GUARDE ESTAS INSTRUCCIONES – Este manual contém informação importante sobre seguridad y operación de las unidades de energía/corriente.

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- Signification des symboles**
- 

- Attention, consulter la DOCUMENTATION CONNEXE
 - 

- Tension dangereuse
 - 

-“Attention, consulter la DOCUMENTATION CONNEXE”
 - 

- Symbole « ON » – Met le système sous tension
 - 

- Symbole « Standby » – Met le système en attente
 - 

- État de charge de la pile
 - 

- Ne pas jeter à la poubelle. Mettre le produit au rebut conformément aux règlements locaux, régionaux et nationaux sur l'élimination des déchets.

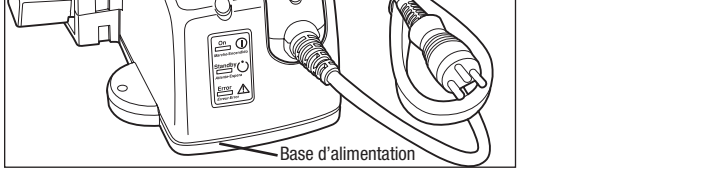


Fig. 1 – Chargeur intelligent BC-210 3M™

**WARNING**

Do not open or permit water to enter this case.

No field serviceable parts inside case.

Charge battery only in clean, well-ventilated, non-hazardous locations.

For indoor use only.

Replace defective cords immediately.

Failure to comply with the above instructions may cause electric shock, fire or explosion and result in sickness or death.

Before use of a new 3M™ Smart Battery Charger BP-210, the plastic protective cover must be removed from between the power base and the adapter module. Verify that the smart battery charger is unplugged from any wall outlet. Remove the plastic protective cover by pulling the adapter module straight up out of the power base and removing the plastic protective cover. Replace the adapter module in the power base by pushing it straight down into the power base, aligning the guide slots. The adapter module should not be routinely removed. Repeated removal may damage the electrical contacts in the power base.

- Insert the charging lead into the charging socket on the top of the 3M Battery Pack BP-15. The LED indicator on the adapter module (on the right) shows the status of the charging process.

 WARNING	 WARNING
There are no field-serviceable parts inside the smart battery charger. Do not attempt to open the charger case or expose the charger to moisture. Doing so may result in serious bodily injury or death due to electrical shock.	There are no field-serviceable parts inside the smart battery charger. Do not attempt to open the charger case or expose the charger to moisture. Doing so may result in serious bodily injury or death due to electrical shock.
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***NOTE:** If a charger indicates a battery fault error, unplug and wait 5 minutes before plugging the charger into another battery or the same battery. If error light remains on call 3M™ OHSES Technical Service at 1-800-243-4630 for assistance.

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 WARNING
Failure to follow these <i>User Instructions</i> may cause electric shock, fire or explosion and result in injury or death. Do not couple more than 10 charger units at one time.

 MISE EN GARDE
Ne pas ouvrir le boîtier et éviter que l'eau y pénètre.
Le boîtier ne contient aucune pièce pouvant être réparée.
Ne charger la pile que dans des endroits propres bien ventilés et ne présentant aucun danger.
Utiliser uniquement à l'intérieur.
Remplacer immédiatement les cordons défectueux.
Tout manquement aux directives ci-dessus peut causer un choc électrique, un incendie ou une explosion et provoquer des problèmes de santé ou la mort.
• Avant d'utiliser un chargeur intelligent BC-210 3M™ neuf, enlever le couvercle protecteur en plastique entre la base d'alimentation et le module adaptateur. S'assurer que le chargeur n'est pas branché dans une prise murale. Enlever le couvercle protecteur en plastique en tirant le module adaptateur droit vers le haut pour le retirer de la base d'alimentation et en enlevant le couvercle protecteur. Remplacer le module adaptateur dans la base d'alimentation en le poussant tout droit vers le bas, en alignant les fentes guides. Ne pas prendre l'habitude d'enlever le module adaptateur. Son retrait répété peut endommager les contacts électriques de la base d'alimentation. • Brancher l'extrémité femelle du cordon d'alimentation dans le côté du chargeur intelligent BC-210 3M™ et le connecteur mâle du même cordon dans une prise appropriée (fig. 1). Le chargeur détectera automatiquement les tensions d'entre de 100 à 240 V et les fréquences de 50 à 60 Hz et s'y ajustera. • Vérifier la DEL sur la base d'alimentation (à gauche) pour connaître l'état du chargeur. Consulter la section <i>Dépannage</i>.

 MISE EN GARDE	 MISE EN GARDE
Ne pas ouvrir le boîtier et éviter que l'eau y pénètre.	Ne pas ouvrir le boîtier et éviter que l'eau y pénètre.</

dZ Requester: Farrel Allen Creator: deZinnia File Name: 34870234761.indd Structure #: SS-13998 Date: 4/13/09	Printed Colors – Front: K
	Printed Colors – Back: K
	Match Colors:
Scale: 1 Inch	This artwork has been created as requested by 3M. 3M is responsible for the artwork AS APPROVED and assumes full responsibility for its correctness.