

Operating Instructions

IonGear™ Battery Powered Heating Vest/Jacket

Product # 5627/5690

Contents

- (1) Deluxe Softshell Barrier Fleece Vest or Jacket (Sizes: XS-XXXL and Custom)
- (1) InfraRed Heating System with Carbon Fiber Elements (3 pads connected by wires)
- (1) Li-Ion Battery/Controller Unit
- (1) Battery Charger



Getting Started

- 1) Charging the Battery
 - Connect the battery to the AC/DC charger and plug the charger into any standard electrical outlet
 - The battery must continuously charge for a minimum of five hours during its initial charge period
 - The LED light on the charger will indicate red when the battery is being charged and will indicate a blinking “9” once the battery is fully charged
 - The battery/controller unit will display the actual battery charge status using numeric digits 0-9
 - 0 – Completely Discharged
 - 9 – Fully Charged

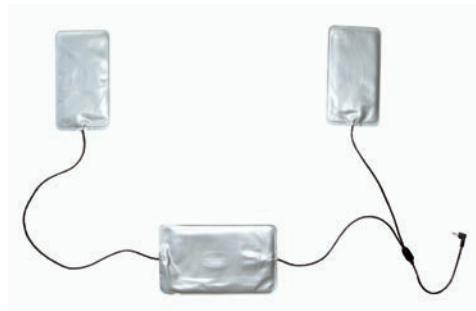
- The battery/controller unit needs to have the heating elements connected in order to “turn on” and display a temperature setting

IonGear™ Battery Specifications

Voltage	7.4V
Capacity	4400mAh
Input	DC8.4V 1200mA
Output	Max 15W
Output LED Settings	1-5 (low-high)
Resistance Load	4Ω - 100 Ω
Efficiency of Output Power	> = 98%
Charge LED Settings	0-9 (empty-full)
Expected Battery Life	500 charge cycles
Approvals	CE, TUV, UL, CCC
Country of Origin	China

2) Connecting the System

- Once fully charged, insert the battery/controller into the reinforced battery pocket (front, lower, inside, left hand side)
- Insert the InfraRed Heating Elements into the internal pockets and close using hook/loop closure (the front right element will need to slide through the back pocket in order for all the heating elements to fit properly.)
- Each Heating Element pad will have a “Face Inward” marking on one side. Always ensure that this side is against the body.
- Connect the InfraRed Heating Element wire into the battery/controller unit



3) Using the Electric Heating Vest

- After connecting the heating elements to the battery/controller, push the “ON/OFF” button to turn on the system
- Adjust the temperature settings by pressing the “UP” arrow

- The temperature settings will cycle upward as follows:

1 → 2 → 3 → 4 → 5 → 1

IonGear™ Temperature Specifications

SETTING	Temperature	Approximate Duration on Full Charge
Level 1	86°F/30°C	12 hours
Level 2	104°F/40°C	10 hours
Level 3	122°F/50°C	8 hours
Level 4	140°F/60°C	6 hours
Level 5	158°F/70°C	4 hours

- To turn the battery/controller off, press the “ON/OFF” button for 2 seconds or disconnect the heating elements

4) Re-charging the Battery

- Remove the battery from the vest, connect it to the AC/DC charger and plug the charger into any standard electrical outlet
- charging is complete once the LED indicates green

5) Optional 12V Direct Connect Converter

- IonGear™ Battery Powered Heating Vests and Jackets can also operate on a 12V power source using our optional 12V Direct Connect Converter



- Connect the female receptacle directly to your 12V battery using the positive and negative wires provided
- Remove the battery/controller from your IonGear™ Vest or Jacket and connect the inline 12V converter using the male plug
- Temperature controls (1 - 5) can be found on the 12V converter
- The 12V Direct Connect Converter also allows users to power the heating vest directly from one's car/truck ... simply plug into the cigarette lighter

Washing

- To wash this product, remove the battery/controller unit and InfraRed Heating Elements from the garment
- Machine wash the 100% polyester fleece vest (garment only) and dry on low heat
- To clean the Heating Elements and Battery/Controller unit, wipe with a dry cloth

Battery Storage

- Store the battery/controller in a cool, dry area
- Avoid extended exposure to direct sunlight
- Re-charge after long periods of non-use

Precautions

- Read and follow all "Operating Instructions" prior to using this product
- Stop using this product immediately if it becomes damaged or is found to be defective
- Do not attempt to disassemble the battery unit or InfraRed Heating Elements
- If the battery/control unit or InfraRed Heating Element is broken, cracked or ruptured, avoid contact with skin and discard immediately
- Do not place heating elements directly on the skin, during sleeping, with infants, on frostbite or on desensitized skin as this may cause irritation or burns
- Discontinue use immediately if InfraRed Heating Elements become uncomfortably hot
- Keep out of reach of children
- If battery/control unit or InfraRed Heating Element is broken, cracked or ruptured and comes in contact with skin, mouth or eyes, flush immediately with cold water and consult a physician
- Do not use this product if garment, heating pads or battery/controller will be exposed to wet conditions
- Contact us if you have any questions on the safe use of this product

Other IonGear™ Products

Battery Powered Heating Gloves



Thank you for purchasing our climate control apparel. We appreciate your business and if you have any questions, comments or suggestions, please do not hesitate to contact us.



Phone: 1-888-823-2665
Email: sales@techniche-intl.com
Website: www.techniche-intl.com