



PRODUCT CATALOG

2026

PRODUCT CATALOG

ABLESAFE®



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Shawl & Blanket Series

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Wear Series

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Shawl & Blanket

Graphene & carbon fiber heating. Heats in 3 seconds. Long life. Far-infrared therapy.
Smart temp control, 3 levels. Ultra-soft lightweight fabric. Machine washable.

Heated Blanket (Luxury Version)



SPECIFICATION

Product Size(cm)	150×80
Weight(g)	900
Color	Apricot, Green, Red
Main Material	Outer: Knitted Jacquard (75%Cotton, 23%Polyester, 2%Spandex) Inner: Premium Waffle Fleece (95%Polyester, 5%Spandex)
Heating Parameters	Graphene 6-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor

USAGE



Outdoor Use



Cover Blanket



Air Conditioning Blanket

Heated Blanket (Basic Version)



SPECIFICATION	
Product Size(cm)	150×80
Weight(g)	650
Color	Apricot, Green, Red
Main Material	Outer: Knitted Jacquard (100% Polyester) Inner: Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 6-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor

USAGE



Outdoor Use



Cover Blanket



Air Conditioning Blanket

Heated Blanket (Jacket Version)



SPECIFICATION

Product Size(cm)	150×80
Weight(g)	650
Color	Apricot, Green, Red
Main Material	Outer: Knitted Jacquard (100% Polyester) Inner: Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 6-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor

USAGE



Outdoor Use



Cover Blanket



Air Conditioning Blanket

Heated Blanket (Hooded Version)



SPECIFICATION	
Product Size(cm)	150×80
Weight(g)	900
Color	Blue, Gray
Main Material	Outer: Knitted Jacquard (100% Polyester) Inner: Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 6-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor

USAGE



Outdoor Use



Cover Blanket



Air Conditioning Blanket

Heated Shawl (Classic Style)



SPECIFICATION	
Product Size(cm)	150×80
Weight(g)	600
Color	Gray
Main Material	Premium Flannel
Heating Parameters	Graphene 6-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor

USAGE



Outdoor Use



Cover Blanket



Air Conditioning Blanket

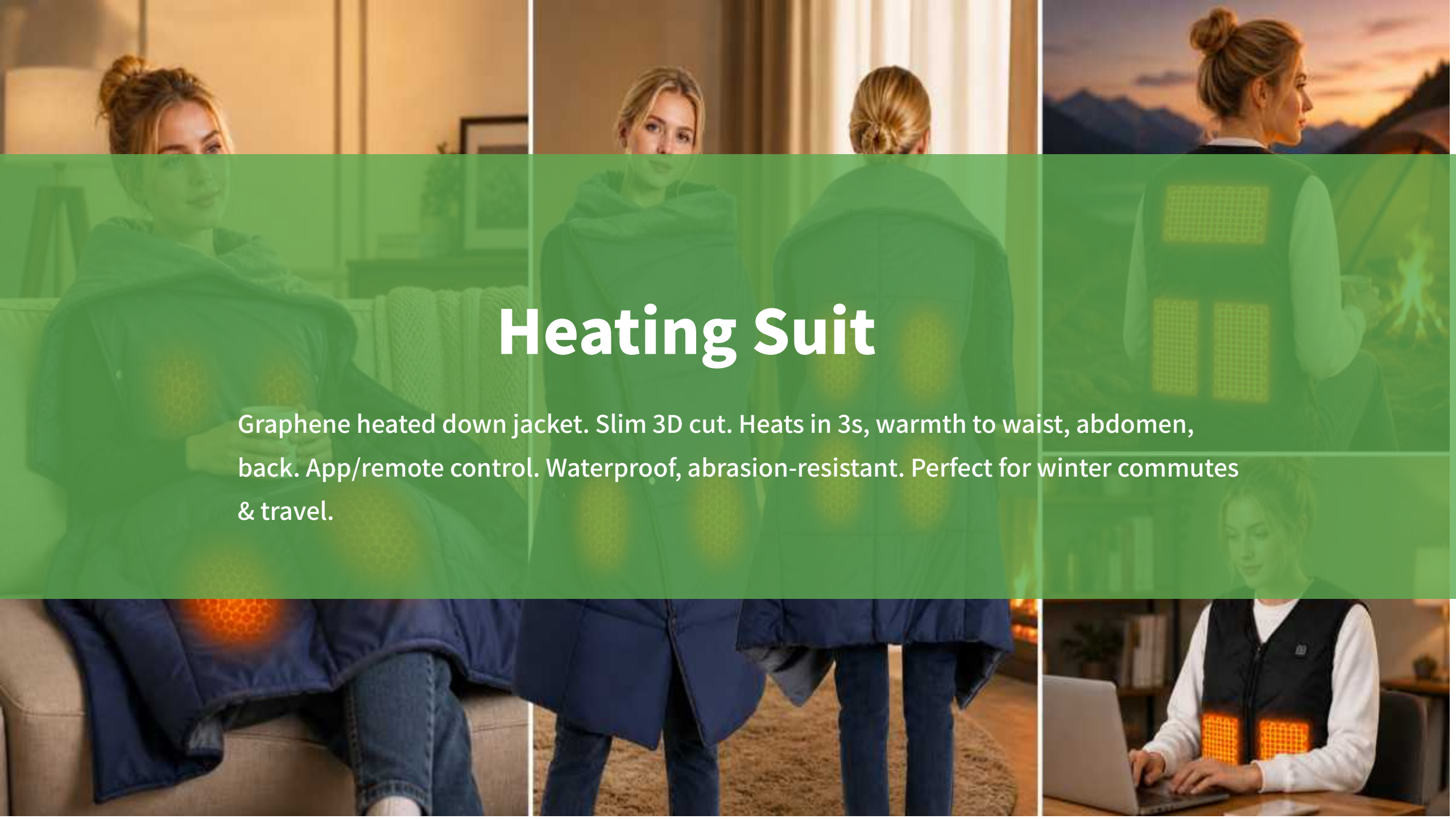
Electric Blanket



SPECIFICATION	
Product Size(cm)	60×80, 150×80, 160×120, 180×150, 180×200
Weight(g)	900/1200/2000/2500/3000
Color	White/Gray/Gray/Green/Red/Apricot
Main Material	Rabbit Fur / Crystal Velvet / Flannel / Knitted Jacquard
Heating Parameters	Single/Dual Spiral + PTC/NTC+PTC Protection
Function	LED Display, 9 Levels / 12h Timer, 120W, 110-220V
Packaging	Bag or Gift Box
Usage Scenarios	Indoor



Dual-spiral wire | 9 temp levels | 12 timers | Far-infrared | Ultra-soft fabric | Washable



Heating Suit

Graphene heated down jacket. Slim 3D cut. Heats in 3s, warmth to waist, abdomen, back. App/remote control. Waterproof, abrasion-resistant. Perfect for winter commutes & travel.

Graphene-Heated Down Jacket



SPECIFICATION	
Product Size(cm)	134×110
Weight(g)	1000
Color	Gray, Navy, Khaki
Main Material	Outer: Nylon (100% Polyester) Inner: Silver Fox Fleece (100% Polyester)
Heating Parameters	Graphene 6-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene-Heated Down Jacket



SPECIFICATION	
Product Size(cm)	S,M,L,XL,2XL,3XL,4XL,5XL,6XL
Weight(g)	572/582/582/589/1500/1500
Color	Navy Blue, Black
Main Material	Nylon, Filling: 100% Polyester
Heating Parameters	Graphene 9-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Heating Jacket



SPECIFICATION	
Product Size(cm)	M,L,XL,2XL,3XL,4XL
Weight(g)	400
Color	Black
Main Material	Outer: Polyester (100%) Inner: Silver Fox Fleece (100% Polyester)
Heating Parameters	Graphene 5-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable



Built-in soft thin heating

No feeling close neck v
straint

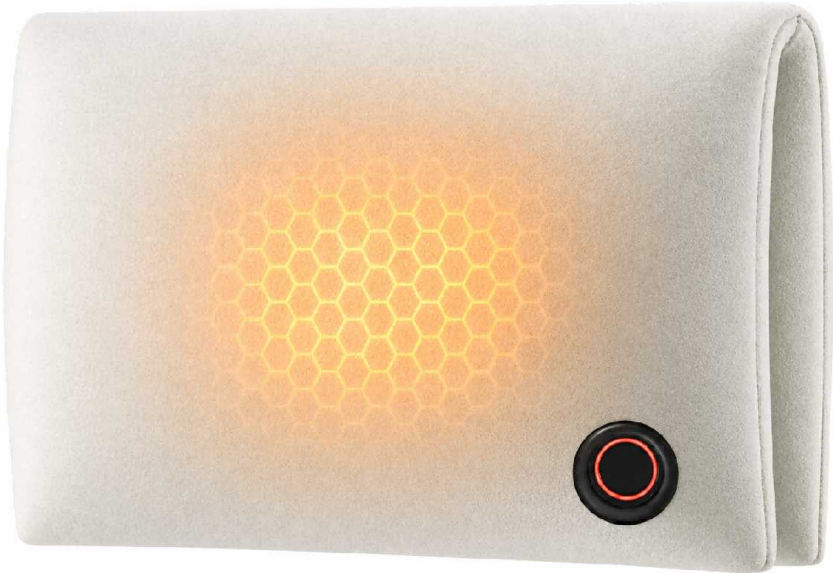


Wear Series

Graphene heating material. Heats in 3s. Far-infrared. Ideal for elderly. Uses: outdoor, office, medical rehab, health care.



Graphene Hand Warmer



SPECIFICATION	
Product Size(cm)	28×38.5
Weight(g)	120
Color	Beige
Main Material	Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 2-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable



SPECIFICATION	
Product Size(cm)	10×80
Weight(g)	100
Color	Red, Yellow, Off-White, Black, Gray, Navy, Khaki
Main Material	Crystal Ultra-Soft / DuPont Cotton (100% Polyester)
Heating Parameters	Graphene 1-Zone Heating
Function	3 Levels: 35°C/45°C/50°C, 5W
Packaging	PP Premium Bag
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Heated Massage Knee Pads



SPECIFICATION

Battery Capacity	3000mAh
Weight(g)	380
Color	Gray
Main Material	SBR Composite + Knitted Fabric
Heating Parameters	Graphene 1-Zone Heating
Function	LED Smart Display, 5 Levels + Massage, 45-65°C, 7W
Packaging	Waterproof Bag or Gift Box
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat



Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Electric Heating Foot Massager



SPECIFICATION

Battery Capacity	1800mAh
Weight(g)	570×2
Color	Gray
Main Material	SBR Composite + Knitted Fabric
Heating Parameters	Graphene 1-Zone Heating
Function	LED Smart Display, 3 Levels + Massage, 45/50/55°C, 7W
Packaging	Waterproof Bag or Gift Box
Usage Scenarios	Legs + Feet



Graphene Heat Far-Infrared



USB



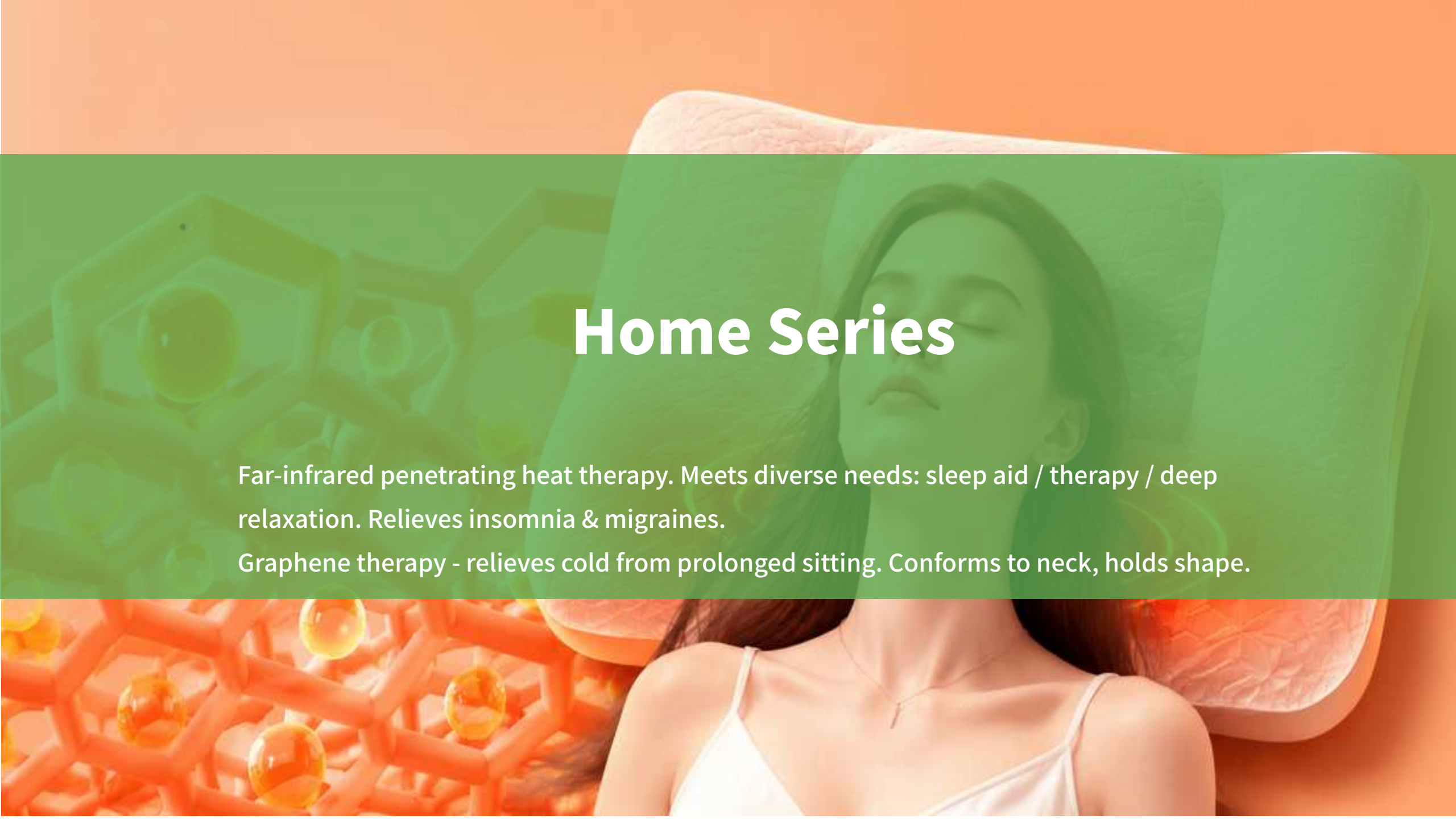
3 levels



Ultra-soft fabric



Washable

The background of the image shows a woman with long dark hair lying back on a massage chair, her eyes closed in a state of relaxation. She is wearing a white spaghetti-strap top. A semi-transparent green rectangular overlay covers the middle portion of the image, containing the title and descriptive text. To the left of the text, there are faint, stylized molecular or hexagonal patterns in a light green color. The overall color palette is warm, with shades of orange and green.

Home Series

Far-infrared penetrating heat therapy. Meets diverse needs: sleep aid / therapy / deep relaxation. Relieves insomnia & migraines.

Graphene therapy - relieves cold from prolonged sitting. Conforms to neck, holds shape.

Graphene Bow Hot Neck Pillow



SPECIFICATION	
Product Size(cm)	60×40×11
Weight(g)	1000
Color	White
Main Material	Shell: 100% Polyester Filling: 100% Polyester
Heating Parameters	Graphene 1-Zone Heating
Function	3 Levels: 35°C/45°C/55°C, 5W
Packaging	Compression Bag
Usage Scenarios	Indoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Heating Pillow



SPECIFICATION	
Product Size(cm)	45×45
Weight(g)	300
Color	Gray
Main Material	Shell: Crystal Ultra-Soft (100% Polyester) Filling: 100% Polyester
Heating Parameters	Graphene 2-Zone Heating
Function	3 Levels: 35°C/45°C/55°C, 10W
Packaging	Compression Bag
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Therapy Blanket



SPECIFICATION	
Product Size(cm)	30×60
Weight(g)	150
Color	Apricot, Green, Red
Main Material	Outer: Knitted Jacquard (75%Cotton, 23%Polyester, 2%Spandex) Inner: Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 2-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	PP Premium Bag
Usage Scenarios	Belly, Back, Legs, Seat



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Therapy Pad



SPECIFICATION	
Product Size(cm)	28×48
Weight(g)	120
Color	Gray
Main Material	Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 2-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	Waterproof Bag
Usage Scenarios	Belly, Back, Legs, Seat



Graphene Heat



Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Foot Warmer



SPECIFICATION	
Product Size(cm)	30×40
Weight(g)	300
Color	Gray
Main Material	Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 2-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	Waterproof Bag
Usage Scenarios	Belly, Back, Legs, Feet, Seat



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Graphene Foot Warmer



SPECIFICATION	
Product Size(cm)	31×31
Weight(g)	330
Color	Gray
Main Material	Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Graphene 1-Zone Heating
Function	3 Levels: 40°C/50°C/60°C, 10W
Packaging	Compression Waterproof Bag
Usage Scenarios	Office, Indoor, Car, Outdoor



Graphene Heat Far-Infrared



USB



3 levels



Ultra-soft fabric



Washable

Heating Mat



SPECIFICATION	
Product Size(cm)	30×60 / 40×80 / 50×100
Weight(g)	500/700/900
Color	Gray, Cyan, Blue, Red
Main Material	Crystal Ultra-Soft (100% Polyester)
Heating Parameters	Single/Dual Spiral + PTC/NTC+PTC Protection
Function	LED Display, 9 Levels / 12h Timer, 75/90/120W, 110-220V
Packaging	Bag or Gift Box
Usage Scenarios	Belly, Back, Legs, Seat



Dual-spiral wire | 9 temp levels | 12 timers | Far-infrared | Ultra-soft fabric | Washable

Многоуровневый быстрый нагрев
и теплоизоляция, теплоэффект
дольше и стабильнее.

Graphene Heating Film Module

По сравнению с материалом
географита решетки с
алюминиевым
покрытием: покрытием:

1.5

в раз*

По сравнению с обычным
теплым одеялом:
выше примерно:

1.6

в раз*

По сравнению с обычным флисом:
Плотность выше примерно:

1.3

в раз*

Graphene heating film - efficient, flexible. Heats in 3s. Efficiency >99%. Safe 3.7-24V.
Thin, light, flexible. Emits FIR improving circulation. Ideal for wearables & smart
thermal products.

Мягкий и комфортный

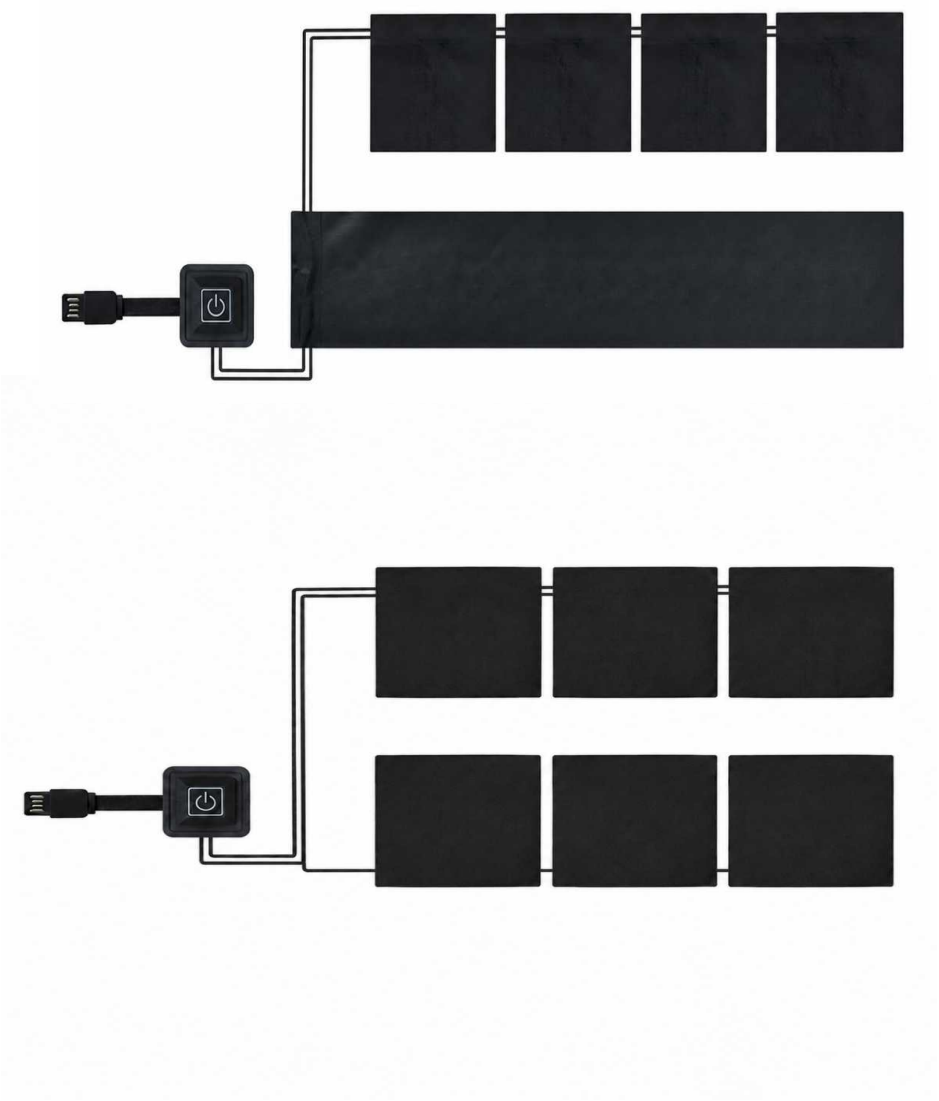
Тепло лучше
сохраняется

Толще и плотнее

*Данные получены в результате лабораторных испытаний.

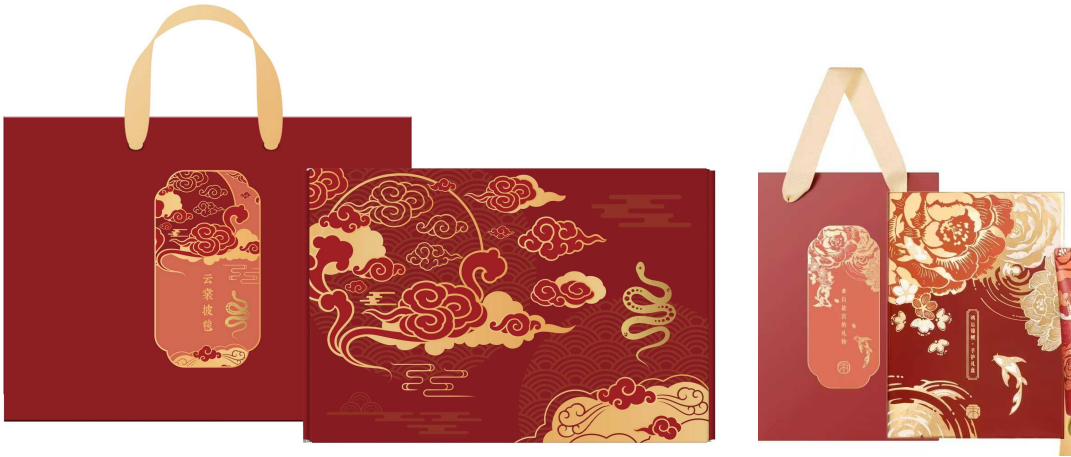
Фактические результаты могут отличаться в зависимости от условий использования.

Graphene Heating Element



SPECIFICATION	
Product Size(cm)	Customizable
Weight(g)	45~120
Color	Black Spunlace Nonwoven
Main Material	Graphene Heating Element
Heating Parameters	Temp Range: 45-60°C, 5V/2A
Function	3 Levels: Red/Blue/Green, 40Hz 1. Connect controller to power (battery); red/blue/green lights flash once 2. Press & hold 3 sec to turn on. Red LED = High (100%) 3. Single click: Blue LED = Medium (70%) 4. Single click: Green LED = Low (40%) 5. Cycles through 3 levels. Hold 3 sec to turn off.
Packaging	Bag
Usage Scenarios	Shawls, Blankets, Knee Pads, Waist Wraps, Heating Clothing

Packaging & Gift Box



What is Far-Infrared?

Far-infrared radiation from graphene offers numerous health benefits. Here are the specific benefits and scientific basis:

1. Improves Blood Circulation & Relieves Fatigue

Principle: Far-infrared rays can be absorbed by the human body, causing molecular resonance and converting into thermal energy, which expands capillaries and accelerates blood flow.

Effect: It improves microcirculation, relieves muscle soreness and joint stiffness, and is particularly suitable for those who recover after exercise or those who sit for long periods.

2. Relieves Pain & Inflammation

Principle: Far-infrared rays penetrate tissues (with a depth of approximately 23 centimeters), inhibit inflammatory factors (such as $\text{TNF}\alpha$ and IL6), and stimulate the release of endorphins.

Application: It has an auxiliary alleviating effect on arthritis, shoulder, neck, and back pain, and is commonly used in physical therapy equipment.

3. Boosts Immunity

Mechanism: Activates immune cells, accelerates waste removal.

4. Regulates Autonomic Nerves & Improves Sleep

Function: The thermal effect of far-infrared radiation helps relax the sympathetic nervous system and promotes the secretion of melatonin.

Application: Products such as graphene heating blankets and mattresses improve sleep quality through low-temperature radiation.

5. Supports Metabolism & Detoxification

Effect: It accelerates the body's temperature rise, thereby promoting the excretion of sweat, and also facilitating the elimination of metabolic wastes such as heavy metals and lactic acid.

6. Antibacterial & Skin Repair

Properties of Graphene: Graphene itself has antibacterial properties. When combined with far-infrared rays, it can promote wound healing.

7. Safety & Comfort
Advantages: The graphene heating film is driven by low voltage (512V), has extremely low electromagnetic radiation, and maintains a uniform and stable temperature (40-60°C, commonly used), avoiding the risk of burns.

WHY CHOOSE US

OEM/ODM SUPPORT

- "Three-in-one" blanket (AC companion / therapy / pet pad)
- Custom heating zone patterns
- MOQ: 500 units (industry: 3,000)
- 3 options: Graphene (premium) / Carbon fiber (balanced) / Alloy (economy)
- 50+ specialty fabrics (anti-static fleece, 3M coating, etc.)
- Full VI: heat-transfer logo, custom tags, packaging (3 designs)

PREMIUM HEATING SOLUTION

- Exclusive 3-mode heating solution:
- Graphene (3s heat, medical-grade FIR)
 - Military carbon fiber (100k+ folds)
 - Metal heater (PTC, $\pm 1^{\circ}\text{C}$ accuracy)
- Freely choose element combos for cost & performance.

SMART TEMPERATURE CONTROL SYSTEM

- Industry-first dual-chip NTC+PTC:
- ✓ NTC surface temp monitoring ($<0.5^{\circ}\text{C}$)
 - ✓ PTC auto power regulation (anti-overheating)
- Supports:
- Bluetooth Mesh (offline, up to 30m)
 - WeChat Mini Program (no app download)
 - HUAWEI HiLink (customizable)

FACTORY VISIT

Xiamen ABLESAFE Electronic Technology Co., Ltd. is a company that provides one-stop processing and solutions for heating products. Its main business includes heating shawls, heating blankets, hand warmers, heating scarves, and various body heating products. We have many years of experience in product research and production. With our years of experience in the heating industry, we can combine customers' heating products to provide heating elements of different materials (graphene/carbon fiber), intelligent switches (heating temperature, heating time, Bluetooth app), and design solutions for styles. Currently, the temperature control technology is at the industry-leading level, providing one-stop heating product solutions for well-known heating brands in North America, Europe, and Oceania.

We now have over 200 styles of heating products, supporting OEM and ODM orders. From raw materials to production combination processing, each process undergoes strict quality control, and each product is tested before final shipment. We have a professional sales team and design team to provide solution suggestions and promptly provide various design drawings and effect pictures. You just need to enjoy one-stop worry-free service. Our mission is to use technology to overcome coldness and strive to help 100 global heating product brands become industry leaders. Contact us and let us become your heating brand solution experts.

IN-PROCESS INSPECTION

Online: USTER QUANTUM 3.0 real-time defect scanning

Sampling: $3 \times 1\text{m}^2$ per 500m fabric

FINAL PRODUCT TESTING

Physical: ✓ Tensile strength ✓ Abrasion resistance

Functional: ✓ Thermal imaging for heat uniformity ✓ After 10 washes





CUSTOMIZED PROCESSING FLOW

STYLE - multiple sizes & designs

- ✓ Single (150×80cm) - office chair / sofa
- ✓ Double (180×150cm) - bedroom / couple
- ✓ Pet pad (100×60cm) - constant warmth
- ✓ Car (cigarette lighter) - long drives

FABRIC - safe, comfortable, compliant

- ◆ Polyester+cotton - breathable, washable
- ◆ Fleece/flannel - thick, for extreme cold
- ◆ Class A baby fabric (opt) - no fluorescent
- ◆ Anti-slip silicone dots (upgrade)
- ⚡ All fabrics OEKO-TEX® Standard 100 certified

定制细节
(Custom details)

吊牌 (Hang tags)

137

4.5x13.3cm
2024-10-9

水洗标
(Washable label)

颜色分类
及参数
Color classification
and parameters

205

包装袋设计 (Bag design)

138

盒子包装 (Box packing)

139

HEATING SYSTEM - smart control, safe

- ☞ Graphene film - even heat, 100k+ bends
- ☞ Graphene conductive film - FIR, circulation
- ☞ Timer + thermal fuse - double safety
- ☞ USB port - charge devices while warming

(细节图) Detail drawing



一体式开关，防水
防断裂宽80cm
Integrated switch, waterproof
Break-resistant width 80cm



银点布包裹，散热
均匀并阻燃作用
Wrapped in silver dot cloth for heat dissipation
Homogeneous and flame retardant



电热丝包管，防止折叠
造成的短路，燃烧危险
The heating wire is wrapped to prevent folding
caused by short circuits, burning hazards

BRANDING - enhance product value

- ✓ Wash labels - custom logo & instructions
- ✓ Eco hang tags - QR traceability
- ✓ Color/gift boxes - custom VI, gift-ready

FCC Supplier's Declaration of Conformity

DATE OF ISSUE: Oct. 11, 2025

Applicant : Xiamen Ablesung Power Electronic Technology Co.,Ltd
Address : Room2704.335Jiahe Road Siming District,Xiamen City
Manufacturer : Xiamen Ablesung Power Electronic Technology Co.,Ltd
Address : Room2704.335Jiahe Road Siming District,Xiamen City
Product : Heated shawl
Model No. : M25SMX, CR24SMX1
Trademark : ABLESAFE

Declare that above product has been completely compliance with the requirement of appropriate technical standards of FCC Subpart B, Measurement Procedure: A

Report No.
TEST
Guangdong KAIKU
Room 215, Building 2, No. 123, Dongcheng
Dongguan City, G

This device complies with part 15 of the following two conditions:

- (1) This device may not cause harmful interference.
(2) This device must accept any interference that may cause undesired operation.
It is understood that each unit marketed may have any changes to the device that could add require retest.



Certification

GUANGDONG KAIKU TESTING TECHNOLOGY CO.,LTD
ROOM 215, BUILDING 2, NO. 123, DONGCHENG SECTION,
GUANGDONG PROVINCE, CHINA
WEB: WWW.KTI-LAB.COM TEL: 0755-85254458

KTI

CERTIFICATE of CONFORMITY

DATE OF ISSUE: Oct. 11, 2025

Certificate No. : KTI250929P2606C
Applicant : Xiamen Ablesung Power Electronic Technology Co.,Ltd
Address : Room2704.335Jiahe Road Siming District,Xiamen City
Manufacturer : Xiamen Ablesung Power Electronic Technology Co.,Ltd
Address : Room2704.335Jiahe Road Siming District,Xiamen City
Product : Heated shawl
Model No. : M25SMX, CR24SMX1
Trademark : ABLESAFE

The submitted products have been tested by us with the listed standards and found in compliance with the following:
Japanese Electromagnetic Compatibility

Test Standard	Test Report Number
J 55014-1(H27)	KTI250929P2606

The tests were performed in normal operation mode, the test results apply only to the particular sample tested and to the specific tests carried out. This certificate applies specifically to the sample investigated in our test reference number only.

The PSE markings as shown below can be affixed on the product after preparation of necessary technical documentation.



Certified by:

Manager

GUANGDONG KAIKU TESTING TECHNOLOGY CO.,LTD
ROOM 215, BUILDING 2, NO.123, DONGCHENG SECTION, GUANLONG ROAD, DONGCHENG STREET, DONGGUAN CITY,
GUANGDONG PROVINCE, CHINA
WEB: WWW.KTI-LAB.COM TEL: 0755-85254458 FAX: 0755-85254458 EMAIL: SERVICE@KTI-LAB.COM

" OUR CERTIFICATE "



△ IATF16949



△ ISO9001



△ ISO14001



△ BSCI



△ CE



△ RoHS



△ FCC



△ UKCA



△ EMC



△ REACH



△ IP55



△ MSDS



△ CPC



△ UL60335



△ Design Patent Certificate