

rapidFIRETM

FAR INFRARED By **powerlet**
ROUGH ELECTRICAL ACCESSORIES



Heated Gear

*Because you're out of your element,
not out of your mind.TM*



*Because you're out of your element,
not out of your mind.™*

FAR infrared gently elevates the body's temperature keeping you warm in the coldest of conditions. The radiant properties of our FAR infrared (FIR) heating elements create instant, deep penetrating heat even when it's not in contact with the skin.

rapidFIRE™
FAR INFRARED *by* powerlet

What is FAR Infrared? The sun's energy rays are made up of near, mid and far infrared waves. Infrared energy waves do not contain ultra-violet (UV) rays that can be harmful. Far infrared waves are the waves that produce heat.



Far infrared allows you to enjoy the warmth of the sun without the harmful effects of the sun's UV rays. Far infrared light waves are completely natural and absolutely safe. In fact, **far infrared** heat is so safe it is used in hospitals to warm newborn infants



RapidFIRE Far Infrared jacket and glove liners use **Carbon Nanocore™** filament heaters. The infrared heaters are very efficient at generating heat and generate more useful heat with less power than conventional wire-based heating elements

Not Your Daddy's Carbon Fiber Panels



Years ago, it was discovered that traditional automotive carbon fiber heating panels are not suitable for heated clothing applications. They suffer from many problems including the development of hot spots from the rigors of being tightly packed.

RapidFIRE FAR Infrared jacket and glove liners use our latest technology **Carbon Nanocore™** filament heaters. These are not panel heaters. **FAR** infrared heaters generate more useful heat with less power than conventional wire-based heating elements.

Heated Clothing



PHG-101 Jacket Liner

High Heat Mode (105W) works with

Mid Heat Mode (60W) works with



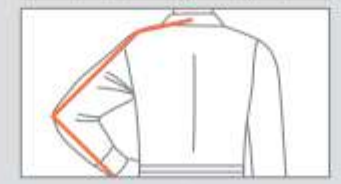
OR



rapidFIRE™
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UNISEX HEATED LINERS

Size	Chest		Waist		Sleeve	
	Inch	CM	Inch	CM	Inch	CM
XS	34-36	86-91	28-30	71-76	31-32	79-81
S	37-39	94-99	32-34	81-86	33-34	85
M	40-42	101-106	35-36	89-91	35	89
L	43-45	109-114	37-39	94-99	36	91
XL	46-49	117-124	40-42	101-107	37	94
XXL	50-53	127-135	43-47	109-119	38	97
XXXL	53-57	135-145	48-50	122-127	39	99



Sizing Charts

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PHG-101 Jacket Liner Features

Our new rapidFIRE Heated Jacket Liner with CNC (Carbon Nano Core) heating uses Far Infrared technology to provide fast, deep, soothing warmth. Now the warmest liner on the market at 105 watts! Built in stuff sack and no annoying heating wires of any kind! Controller sold separately.

Powerlet RapidFIRE Jacket Liner Features:

1. Full heat coverage with CNC Carbon Nano Core heating
2. Wind and Water resistant polyurethane coated nylon exterior shell
3. ProForm Stretch panels provide comfort and simple standard sizing
4. Ultra-thin design provides comfort and small storage
5. Zippered compartments manage power cables
6. Integrated stuff sack allows storage on the vehicle
7. Easily switched from 60 to 105 watts
8. Fully heated front, back arms and collar
9. Glove connectors are located at the ends of the sleeves
10. Over sized chest pocket ideal for phone, wallet and music player storage

Large Front Pocket



Zippered Pocket for Glove Wire Storage



Large Back Pocket



The Powerlet RapidFIRE™ advantage utilizes FIR technology to provide deep soothing warmth. Unlike competitors that only heat the surface of the skin with metallic wires, Powerlet's exclusive Carbon Nano-Fiber Core™ heating elements provide safe, instant and penetrating heat to keep you warm in the harshest of conditions. FIR technology has been used by the medical profession for its therapeutic benefits, the fact that it offers almost instantaneous warming is why Powerlet adapted the technology for use in the powersports industry. In layman's terms, far infrared light is a form of thermal energy. This is the warmth you feel on your skin when you are outside in the sun. However, far infrared rays should not be confused with the sun's ultraviolet waves, which cause sunburn. In addition to the invisible benefits of fast-acting FIR heating, the new RapidFIRE™ liners feature some very visible features and benefits. All RapidFIRE™ gear is designed to provide serious heat when and where you need it.

Packs Down Small - Ultra thin design combined with an integrated self-storing pouch produces a small footprint so you can carry it on every trip. Have it when you need it



Self-storing pouch

Comfortable - Ergonomic design and ProForm™ panels provide simple true sizing. Comfort is maximized with our exclusive Polartec™ lined heated collar and thin cuffs that reduce bunching at the wrists. Unique SoftShell™ coated fabric provides an extra layer of wind and water resistance.



Pro-Form™ Stretch Panels

Heated Clothing

PHG-901 RapidFIRe Heated Jacket Liner with Dual Wireless Heat Controller



PHG-901 Jacket Liner

High Heat Mode (105W) works with



Mid Heat Mode (60W) works with



OR



PHG-322 Dual Wireless Temperature Controller

The ultimate in convenience! Control your heated clothing independently without bothersome wiring. Small, waterproof receiver stays inside garment. Controller can be mounted anywhere. Works with all brands of heated clothing.



Wireless Dual Temp Controller

Uses standard 2.5mm x 5.5mm x 10mm connectors. Works with all brand of heated clothing.



Because you're out of your element, not out of your mind.™

FAR infrared gently elevates the body's temperature keeping you warm in the coldest of conditions. The radiant properties of our FAR infrared (FIR) heating elements create instant, deep penetrating heat even when it's not in contact with the skin.

PHG-501 RapidFIRE Heated Pant Liner Kit

Our RapidFIRE Heated Sock Liner Kit is the sure fire solution for cold Legs.



PHG-502 RapidFIRE Heated Pant Liner Kit

Our RapidFIRE Heated Pant Liner Kit is the sure fire solution for cold legs. Elastic waist band with Velcro closure. Stirrup style design ensure easy insertion into outer garment. A complete package with everything you need to hook up to your vehicle, Sock Liners, Dual Position Wireless Controller (PHG-322) with sock leads, and Powerlet Lanyard. Includes controller.



rapidFIRE™ UNISEX HEATED PANT LINERS
 FAR INFRARED by **powerlet**

Size	Waist		Inseam		Height	
	Inch	CM	Inch	CM	Inch	CM
S	24-28	61-71	31	79	5'4-5'6	164-170
M	28-32	71-81	33	84	5'6-5'8	170-177
L	32-36	81-91	34	86	5'8-6'0	177-182
XL	36-38	91-97	35	89	6'0-6'2	182-189

Sizing Charts



OR



Heated Clothing

PHG-411 RapidFIRE Heated Glove Liner Kit

Our RapidFIRE Heated Glove Liner Kit is the surefire solution for cold hands. A complete package with everything you need to hook up to your vehicle, Glove Liners, 5 Position Digital Controller with glove leads, and Powerlet Lanyard. Includes controller.



High Heat Mode (105W) works with

Mid Heat Mode (60W) works with



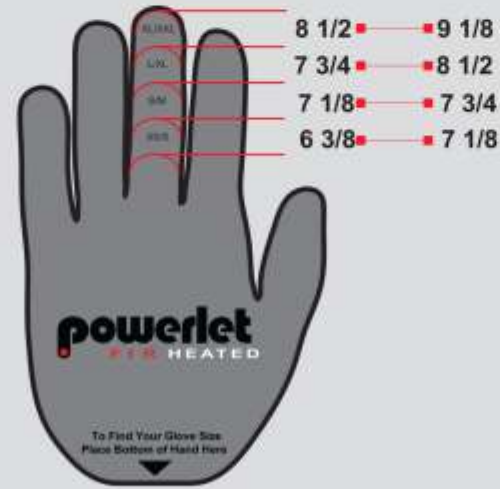
OR



rapidFIRE[™]
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HEATED GLOVE LINERS

Size	Men's / Women's	Inch
XL/XXL	8 1/2	↔ 9 1/8
L/XL	7 3/4	↔ 8 1/2
S/M	7 1/8	↔ 7 3/4
XS/S	6 3/8	↔ 7 1/8



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rapidFIRE™
FAR INFRARED by **powerlet**

Includes PHG-317 5 Position Digital Glove and Sock Temperature Controller

This 5 position controller is designed to power our gloves and socks. Features built in leads for connection to gloves or socks. Operating Voltage 6-18V. Short Circuit and Reverse Polarity Protection. Complete with battery harness and Powerlet Lanyard.

Powerlet Portable Controller Features

1. Small sizing makes mounting anywhere an easy task
2. LED indicator lights let you know when you are connected
3. Smooth variable switching easy to be used when wearing gloves
4. Weather proof design



The Powerlet RapidFIRE™ advantage utilizes FIR technology to provide deep soothing warmth. Unlike competitors that only heat the surface of the skin with metallic wires, Powerlet's exclusive Carbon Nano-Fiber Core™ heating elements provide safe, instant and penetrating heat to keep you warm in the harshest of conditions. FIR technology has been used by the medical profession for its therapeutic benefits, the fact that it offers almost instantaneous warming is why Powerlet adapted the technology for use in the powersports industry. In layman's terms, far infrared light is a form of thermal energy. This is the warmth you feel on your skin when you are outside in the sun. However, far infrared rays should not be confused with the sun's ultraviolet waves, which cause sunburn. In addition to the invisible benefits of fast-acting FIR heating, the new RapidFIRE™ liners feature some very visible features and benefits. All RapidFIRE™ gear is designed to provide serious heat when and where you need it.

Heated Clothing

PHG-601 RapidFIRE Heated Sock Liner

Our RapidFIRE Heated Sock Liner Kit is the sure fire solution for cold feet.



High Heat Mode (105W) works with



Mid Heat Mode (60W) works with



OR



PHG-602 RapidFIRE Heated Sock Liner Kit

Our RapidFIRE Heated Sock Liner Kit is the sure fire solution for cold feet. A complete package with everything you need to hook up to your vehicle, Sock Liners, 5 Position Digital Controller (PHG-317) with sock leads, and Powerlet lanyard.



rapidFIRE™
FAR INFRARED by powerlet

UNISEX HEATED SOCK LINERS

Unisex Size	Men's			Unisex Size	Women's		
	USA	Japan	Europe		USA	Japan	Europe
	-	-	-	S / M	4-6	20-22.5	34-36
S / M	6-8	24.5-26.5	38-41	S / M	7-9	23-25	37.5-40
S / M	8-10	26-28	41-44	L / XL	9-11	25-43.5	40-43.5
L / XL	10-13	28-31	44-47	L / XL	11-13	27.5-29	43.5-45
L / XL	13-15	31-33	47-50		-	-	-

Sizing Charts

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Wireless Portable Temperature Controllers

Powerlet's line of wireless temperature controllers are the most revolutionary product to come out for heated gear, ever. Now you can say goodbye to being tethered to the controller. These controllers come in a 2-piece configuration where the main receiving unit gets placed in the left outer pocket and connects to the vehicles 12volt system and the remote portion can be mounted anywhere that is convenient and easily visible or accessible. This unit is able to control garments independently from one another. If managing wires and keeping your cables in order is an issue, this product line is your answer. Assembled here in the USA and built to withstand the elements.

PHG-322 Dual Wireless Temperature Controller

The ultimate in convenience! Control your heated clothing independently without bothersome wiring. Small, waterproof receiver stays inside garment. Controller can be mounted anywhere. Works with all brands of heated clothing.



Wireless Dual Temp Controller

Uses standard
2.5mm x 5.5mm x 10mm connectors.
Works with all brand of heated clothing.

**High Heat
Mode (105W)
works with**

**Mid Heat
Mode (60W)
works with**



OR



Heated Clothing

Powerlet Portable Temperature Controllers

Powerlet's line of portable controllers are designed for ease of use and connection of any coax type of heated clothing. The best that money can buy. Solid state and built to withstand the demands that heated gear can produce, this line of controllers is designed to variably adjust the garment temperature easily while wearing gloves.

Powerlet Portable Controller Features

1. Small sizing makes mounting anywhere an easy task
2. LED indicator lights let you know when you are connected
3. Smooth variable switching easy to be used when wearing gloves
4. Weather proof design

PHG-317

Simple convenient low cost solution to controlling your heated gear. Suitable for all types of gloves, 5 Position Controller.



PKT-064 Coax Battery Harness

Easy to install direct to battery connection rated at 15 amps. Comes in an approximate 24" length, complete with coax tethered cover and zip-ties for complete installation.

Heated Gear Cable Accessories

Powerlet's line of heated gear cables come in a variety of configurations to best fit your needs. From extension cables, to splitters to general heated gear powering cables. These items are rated for the task at hand. Most all Powerlet products are assembled here in the USA and built to withstand the elements.

PAC-007

Plug two pieces of heated clothing without adding an extra socket, 10" long.



PAC-009

Manufactured with a deluxe plug (PPL-002) and 16awg wire. Ideal for connecting a battery charger, heated clothing or Luggage Electrix through a Powerlet socket. Available in 12" 18" 24" and 30" long.



PAC-037

This Y Cable allows the connection of two pieces of coax heated clothing from one coax battery harness. 6" long.



PAC-038

Heavy-duty Coax extension cable. Works with all brands of Heated Clothing containing Coax connections



PAC-039

Convert a SAE battery lead to coax connector for heated clothing. Battery Tender SAE leads are 18 awg and require a fuse change from 3 amp to 10 amp. Also used to power older SAE gloves from newer coax heated liners. 4" long.



PAC-040

Connects a Powerlet heated gloves to a Powerlet Performance Controller when you do not have a heated jacket liner.



PAC-041

Heavy-duty Coax extension cable. Works with all brands of Heated Clothing containing Coax connections



PPC-005

Connects coax heated clothing to a Powerlet (or Powerlet type) socket. Works with BMW, KTM, Triumph, Victory and Ducati motorcycles equipped with a factory sockets. Works with Powerlet and other brands of heated clothing with a standard 5525 coax connector.



PPC-028

Connects coax heated clothing to a Powerlet (or Powerlet type) socket. 1.5" Cable length. Works great with a panel mounted Powerlet outlet. Fully compatible with other brands of heated clothing with a standard coax connector.



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- Performance Controller
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rapidFIRETM
FAR INFRARED By **powerlet**[®]
RUGGED ELECTRICAL ACCESSORIES

Powerlet RapidFIRE Jacket Liner
MOTORCYCLIST Magazine Tested – May 2012 Issue

By [Tim Carrithers](#), Photography by Powerlet



Any electric vest can keep your teeth from chattering, but Powerlet's rapidFIRE liner serves up enough warmth to keep you smiling for hours.

How? Carbon Nano Core panels comprised of bundled carbon-fiber strands warm your skin with Far Infrared Rays—a safe slice of the energy spectrum between visible light and microwaves used in everything from saunas to medical therapy. Pro Form stretch panels on the outside allow unrestricted movement while keeping the wind/water-resistant liner close to your body. Slip one of these between a long-sleeve T-shirt and any good riding jacket and you'll never be cold again.

Once connected to your battery or a suitable 12-volt power socket, those carbon panels heat up less than 30 seconds after the controller is switched on, delivering more even, penetrating warmth than any conventional electric liner. Powerlet's basic hard-wired single controller (\$78.95) lets you dial heat up and down, drawing 8.5 amps at its maximum setting. We've never needed more than 75 percent power, even on three-dog nights. Disconnecting an internal cable cuts power consumption from 105 to 60 watts, drawing around 4 amps on the lowest setting—compatible with standard 5-amp BMW and Ducati power ports. The liner stows in its own built-in stuff sack when you don't need it. A dual wireless controller (\$154.95) fits in your pocket or just about anywhere in the cockpit, letting you manage another heated garment with a separate dial.

It's not cheap stuff in any sense of the word, but after more than a year in all kinds of weather, the rapidFIRE liners still keep us more comfortable more of the time than anything else. Anyone riding closer to North Dakota than Southern California knows you can't put a price on that.

POWERLET RAPIDFIRE HEATED JACKET LINER

Price: \$249.95

Contact: Powerlet

www.powerlet.com

Verdict: 5 out of 5 stars.

The best high-tech personal heat source for anything short of space travel.



Rated #1 USA!

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