



# DATASHEET

## Pro Heating PE Series

5 Years Product Warranty

### SUNDIRECT Pro Heating PE Series

This series represents the premier choice for the majority of our customers. Due to their unique internal design these panels are even more cost efficient. There are several power ranges available which will be suitable for different types of applications. On top of that every panel is customizable to the needs of every customer.

### The carbon crystal heating element

SUNDIRECT Pro heating panel heaters use the carbon crystal heating element which operates at a lower watt density to create a warm and comfortable feeling. On top of that it offers great energy efficiency and enhances performance. Compared to traditional heating elements, no electromagnetic radiation is created and a more even surface temperature is provided to ensure safety.

### State of the art panel design

SUNDIRECT panel heaters have a white surface and white frames by default which ensure a great appearance. All panels live up to state of the art designs and provide simple mounting solutions.

# DATASHEET

## Pro heating PE series



Model	Size	Power	Frame	Mounting	Heated room size
PE270	30*90cm	270W	White frame	Wall/Ceiling	3-6m <sup>2</sup>
PE350	60*60cm	350W	White frame	Wall/Ceiling	4-8m <sup>2</sup>
PE540	60*90cm	540W	White frame	Wall/Ceiling	6-10m <sup>2</sup>
PE700	60*120cm	700W	White frame	Wall/Ceiling	8-16m <sup>2</sup>
PE1000	80*115cm	1000W	White frame	Wall/Ceiling	10-20m <sup>2</sup>



Heating element: Carbon crystal heating element  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 3pcs  
 Plug: 2.5m standard EU Plug



Surface temperature: 85-95degree  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP44  
 Life time: up to 100000hours on proper use



Notice:  
 Please separate the mounting solution for different models as per instruction.  
 Use our online heating calculator (<http://www.sundirect-heater.com/technology/calculator>) to correctly design the heating system for each room.





# DATASHEET

## Infinity Heating IC Series

5 Years Product Warranty

### SUNDIRECT Infinity Heating IC Series

SUNDIRECT Infinity Heating range is the frameless white infrared panel heater, it's the premium range that Sundirect is offering. The white and frameless design, simple but elegant, fit for any kind of the environment, it's suitable both residential and commercial installations. IC range comes up with 3 powers, differs from 300W to 600W and 800W.

### Easy fit mounting

IC series is using Sundirect unique "Easy fit" mounting solution, which is specially designed for easy installation as well as the secure mounting. You can easily mount the IC panels on the wall or ceiling with our "Easy fit" bracket, which is included in the package. Mount the bracket to the wall, and fit the panels to the bracket, slide and block.

### Best heating performance

The IC range is equipped with the high infrared emitted white metal surface, together with our high quality carbon crystal heating element and the unique design on the insulation and infrared reflection on the back, which is the guarantee of the energy efficiency. It is one of the best performance infrared panel heaters in the market.

# DATASHEET

## Infinity heating IC series



Model	Size	Power	Frame	Mounting	Heated room size
IC300	60*60cm	300W	Frameless	Wall/Ceiling	4-8m <sup>2</sup>
IC600	65*100cm	600W	Frameless	Wall/Ceiling	7-14m <sup>2</sup>
IC800	70*125cm	800W	Frameless	Wall/Ceiling	9-18m <sup>2</sup>



Heating element: Carbon crystal heating element  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 3pcs  
 Plug: 2.5m EU standard Plug



Surface temperature: 85-95degrees celsius  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP44  
 Life span: up to 100000 hours with proper usage



Notice:  
 Please separate the mounting solution for different models as per instruction.  
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# DATASHEET

## Glass Heating GD Series

5 Years Product Warranty

### SUNDIRECT Glass Heating GD Series

SUNDIRECT glass infrared panel heaters are made from high quality toughened safety glass combining sophisticated design with optimum safety and energy efficiency. This sleek beautiful design will enhance your home or office with class and elegance but also guarantees an improved level of comfort.

### Every room is different

Our glass panels come in different sizes and power outputs to suit every requirement and is available in various colors. This series is perfectly suitable for modern decorations and the needs of the 21st century.

### More control, lower costs

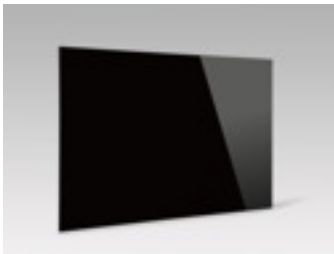
SUNDIRECT far infrared panels offer owners an unprecedented level of control over their property's temperature and energy use. Installations using our infrared panels save up to 55 percent of the energy consumption.

# DATASHEET

## Glass Heating GD series



Model	Size	Power	Frame	Mounting	Heated
GD350	66*66cm	350W	Frameless	Wall	room
GD500	60*100cm	500W	Frameless	Wall	size
GD700	70*130cm	700W	Frameless	Wall	size



Heating element: Carbon crystal heating element  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 3pcs  
 Plug: 2.5m EU standard Plug



Surface temperature: 85-95degrees celsius  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP44  
 Life span: up to 100000 hours with proper usage



**Notice:**

Please separate the mounting solution for different models as per instruction.  
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# DATASHEET

## Mirror Heating MD Series

5 Years Product Warranty

### SUNDIRECT Mirror Heating MD Series

SUNDIRECT mirror heaters provide you with clear vision and warmth and are characterized not only by their elegance but also by their heating advantage. The mirror does not fog up under high humidity levels because of the very special characteristics of infrared waves. Therefore our mirror heaters are perfect for installing in your bathroom or spa apart from the fact that you can place it in any living environment as well.

### Thin, stylish, frameless

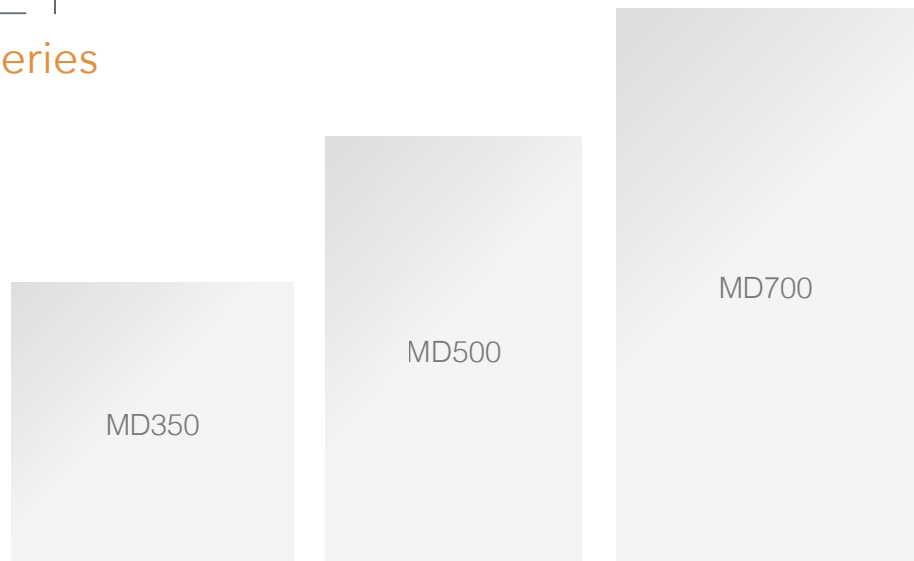
The frameless SUNDIRECT infrared heating panel is not only very thin but also extremely stylish. No matter the size you choose, the thickness of the panel remains the same. The heating panel adapts to the style of every room and disguises the fact that it contains a heating element in a very elegant way. Since it can be customized the panel looks absolutely amazing in any modern environment.

### Slick and modern

The framed SUNDIRECT infrared heating panel comes with a thin frame offering a customizable alternative to the frameless version. The panel maintains its stylish and modern design while it provides you with even more options.

# DATASHEET

## Mirror Heating MD series



Model	Size	Power	Frame	Mounting	Heated room size
MD300	66*66cm	350W	Frameless	Wall	3-6m <sup>2</sup>
MD500	60*100cm	500W	Frameless	Wall	6-10m <sup>2</sup>
MD700	70*130cm	700W	Frameless	Wall	8-15m <sup>2</sup>

Heating element: Carbon crystal heating element  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 3pcs  
 Plug: 2.5m EU standard Plug

Surface temperature: 85-95degrees celsius  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP44  
 Life span: up to 100000 hours with proper usage

**Notice:**

Please separate the mounting solution for different models as per instruction.  
 Use our online heating calculator (<http://www.sundirect-heater.com/technology/calculator>) to correctly design the heating system for each room.







# DATASHEET

## Round Heating RC500-W

5 Years Product Warranty

Model	Size	Power	Surface	Mounting	Heated room size
RC500-W	70*70cm	500W	Steel	Wall/ceiling	5-10m <sup>2</sup>

Sundirect round panel heaters set themselves apart with their round and frameless appearance. The simple and modern design fit perfectly into modern living environments. Round panels are available with a white steel or mirror surface. Sundirect is one of very few companies on the market offering this unique design.

Heating element: Silicon heating wire  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 3pcs  
 Plug: 2.5m EU standard Plug

Surface temperature: 110-120degrees celsius on the wall  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP45  
 Life span: up to 100000 hours with proper usage

**Notice:**

Please separate the mounting solution for different models as per instruction.

Use our online heating calculator (<http://www.sundirect-heater.com/technology/calculator>) to correctly design the heating system for each room.



# DATASHEET

## Round Heating RC350-M

5 Years Product Warranty

Model	Size	Power	Surface	Mounting	Heated room size
RC350-M	70*70cm	350W	Mirror	Wall	3-7m <sup>2</sup>

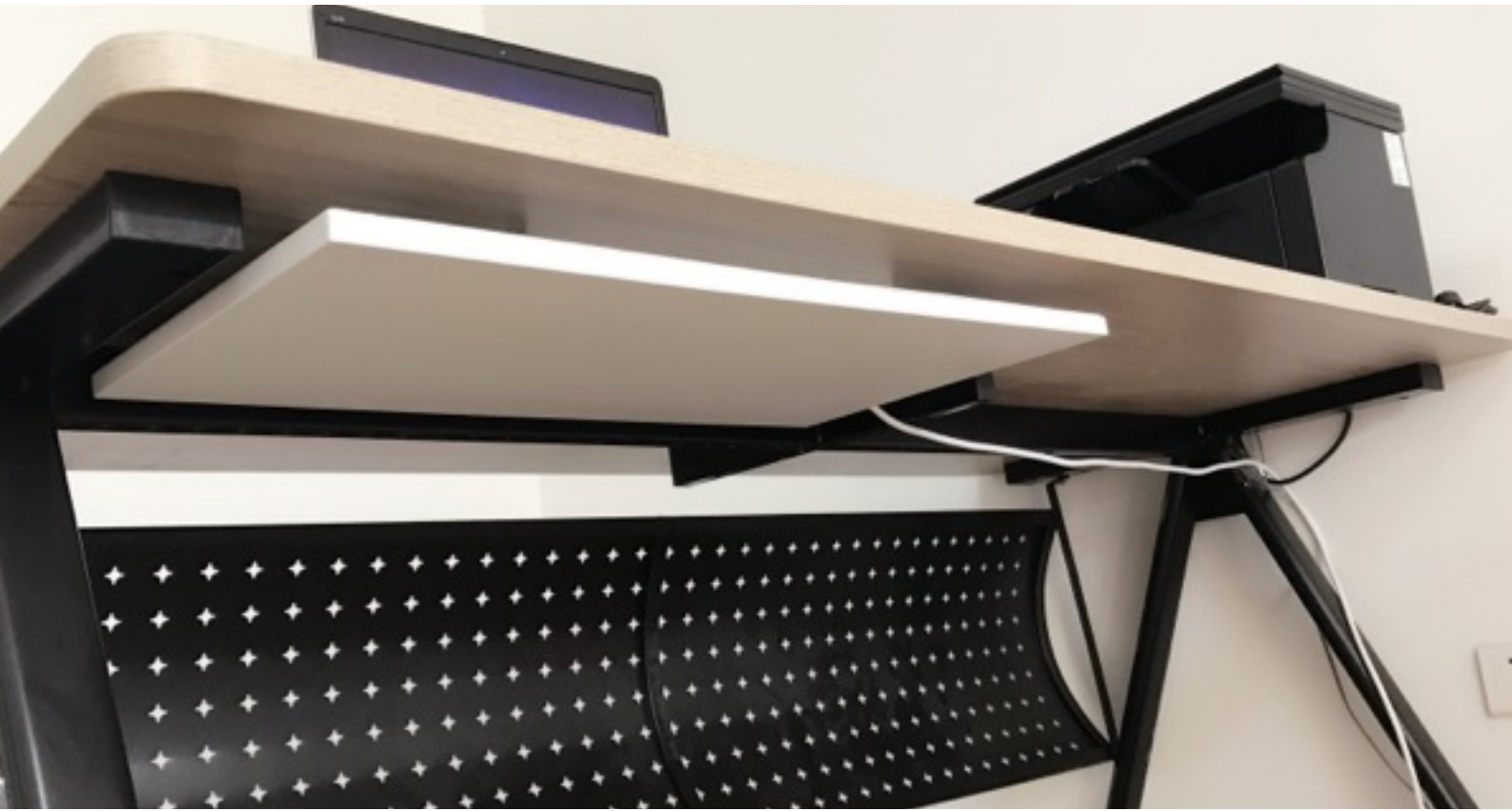
Sundirect round panel heaters set themselves apart with their round and frameless appearance. The simple and modern design fit perfectly into modern living environments. Round panels are available with a white steel or mirror surface. Sundirect is one of very few companies on the market offering this unique design.

Heating element: Silicon heating wire  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 3pcs  
 Plug: 2.5m EU standard Plug

Surface temperature: 85-95degrees celsius on the wall  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP44  
 Life span: up to 100000 hours with proper usage

**Notice:**

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# DATASHEET

## Desk Heating IC150

5 Years Product Warranty

Model	Size	Power	Surface	Mounting
IC150	32*62cm	150W	Steel	Wall/desk

Sundirect IC150 is the mini version of IC series. It has the same white frameless design, specially designed and optimized to be used under the desk. With the bracket provided, it can be easily fixed under or to the side of the desk. Pair it with our aluminum feet stand BS003 to make it portable. Using our desk heater, you will never get cold feet again!

Heating element: Carbon crystal heating element  
 Insulation material: Fiberglass  
 Reflection: Steel reflection layer with white finish  
 Over heat protection sensors: 1pc  
 Plug: 2.5m EU standard Plug

Surface temperature: 80-90degrees celsius under the desk  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IP44  
 Life span: up to 100000 hours with proper usage



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# DATASHEET

## Space Heating SC Series

5 Years Product Warranty

### SUNDIRECT Space Heating SC Series

The stylish and innovative Sundirect Space Heating Series is specifically designed to heat the big rooms and also outdoor. It has a high quality extrude and anodized Aluminum body, which has additional infrared boost coating on the surface, together with the high quality Chromium Aluminum heating element, the heater emits strong far infrared wave. It's one of the highest efficient far infrared space heater in the market.

Hotter emitter, quicker heating SC series uses the higher temperature iron Chromium Aluminum emitter, which operates at a surface temperature of 300-350 degrees. Due to the higher surface temperature, the infrared ray is stronger, can reach a longer distance and be heat up quickly. It takes less than 5 minutes to heat at the maximum surface temperature.

### Massive application

The new Space Heating series is the ideal heating solution for all kind of the space and commercial heating, like office reception areas, shops, hotels, churches, restaurants, bars, public halls and also anywhere outside with the cover like terrace and so on. There is no red glow, maintenance free, which is a good option to replace the traditional quartz and halogen heaters.

# DATASHEET

## Space heating SC series



Model	Size	Power	Mounting	Heated room size
SC1800	1050*150*63mm	1800W	Wall/Ceiling	8-12m <sup>2</sup>
SC2400	1350*150*63mm	2400W	Wall/Ceiling	13-18m <sup>2</sup>

Heating element: Iron Chromium Aluminum heating alloy  
 Insulation material: Fiberglass  
 Reflection material: Steel reflection layer  
 Over heat protection sensors: 1pc

Surface temperature: 300-350 degrees celsius  
 Energy efficiency: up to 95%  
 Voltage: 220-240V, 50Hz  
 Protection: IPX4  
 Certification: CE, ROHS

**Notice:**

The SC series are not equipped with plug due to the regulation, please make sure the cable used to connect to the existing wiring should be correctly rated solid core wiring cable. Please note that the use of flexible appliance cable with stranded conductors for permanent wiring (except for the final connection between a cable outlet and the fixed equipment) is prohibited by IEE wiring regulations.

The heater is designed to be used in outdoor space where the air movement is small, if use them in a big wind movement area, please be noticed that the heating performance might be decreased. As a solution, we will suggest you to mount the heater closer to the heating objects to get a better performance.



# DATASHEET

## Thermostat



**SD-T4001** acts as a basic plug-in thermostat. You simply connect the heater and the thermostat to control your room temperature resulting into energy savings.

**Specification:**

Output Voltage: 230V  
Switching Capacity: 3600W/16A  
Temperature settings: 5°C ~35°C  
Accuracy: +/- 0.5°C  
IP protection rating: 20  
Non-programmable



**SD-T4002** acts as a programmable digital thermostat. It offers the so called "5+1+1 program" with 4 available time zones. You are able to hide the cable behind the wall to improve the appearance as well as gaining all the temperature and energy saving benefits.

**Specification:**

Output Voltage: 230V  
Switching Capacity: 3600W/16A  
Temperature settings: 5°C ~35°C  
Accuracy: +/- 0.5°C  
IP protection rating: 30  
5+1+1 programmable



**SD-T4003** acts as a combination of the basic plug-in version together with a remote control. You can simply plug the panel and use the remote control to control the room temperature. It also offers the so called "5+1+1 program" with 4 available time zones.

**Specification:**

Output Voltage: 230V  
Switching Capacity: 3600W/16A  
Temperature settings: 5°C ~35°C  
Accuracy: +/- 0.5°C  
IP protection rating: 30  
5+1+1 programmable



**SD-T4004** acts as a combination of a box receiver and a wireless remote control. The box receiver allows you to hide the cable behind the wall to improve the appearance as well as gaining all the temperature and energy saving benefits. It also offers the so called "5+1+1 program" with 4 available time zones.

**Specification:**

Output Voltage: 230V  
Switching Capacity: 3600W/16A  
Temperature settings: 5°C ~35°C  
Accuracy: +/- 0.5°C  
IP protection rating: 30  
5+1+1 programmable



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## Accessories



**Model: BC002**

Using the ceiling mounting set BC002 enables you to hang the panel up to 1m below the ceiling. It's the perfect solution for areas which require the panel to be in a lower position.



**Model: BC004/BC005**

The ceiling mounting bracket guarantees easy installation for PE panels. Simply fix the bracket on the ceiling and install the panel. It allows you to mount the panel as close to the ceiling as possible.

BC004 fits the models of PE350/PE540/PE700/PE1000

BC005 fits PE270



**Model: TR001/TR002**

TR001/TR002 is made of stainless steel and acts as an optional accessory for the glass and mirror heater. By using the towel rail you can add a towel warmer trait to your glass and mirror heaters.

TR001 fits the models of GD350/GD500/MD350/MD500

TR002 fits the models of GD700/MD700



**Model: BS003**

BS003 is a white feet stand made of Aluminium and is specially designed for PE series.



**Model: BS004**

BS004 is the white steel feet stand, it was designed for fit all the models expect the round heaterRC series. Simply place the panel on the bracket and tighten the screws from the back side. Using BS004 and makes your Sundirect infrared heater portable.

