# 30 Watts Portable Thermoelectric Power Generator

## **Description**

The below is a portable thermoelectric power generator for Gas Stove or Wood Stove Heater or any other heat sources. The generator can be placed on the surface of heat source (oven, gas stove, wood stove, etc.) to generate the electricity for charging the battery, and power electronics with its 12 VDC and 4.5 VDC outputs. The generator comes with a self-powered fan to dissipate the heat. When the hot plate of the generator is heated to 330 °C, the output power will go over 30 watts. The Generator start work at is good for running on 330 °C to 450 °C heat source surface. It is not only a power generator, but also help circulates the heat with its attached fan.

The unit is, light in weight, small in size, easy to carry, especially suitable for field or emergency circumstances, as all kinds of small communications and emergency lighting power supply.



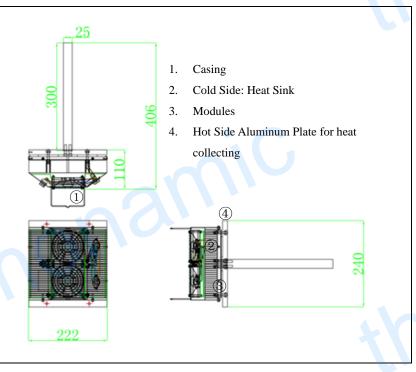


Mounting to the side wall of the heater to generate free electricity

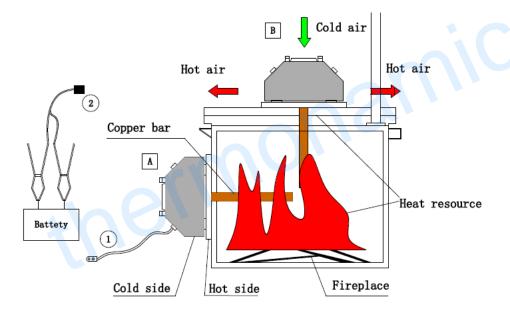
The generator comes with the wire for the outputs: 12 VDC car lighter adapter, 5V USB, and 13.8V for deep battery charger.

# **Specifications:**

Part Number	TEG30-12V-M-CW	
Output Power under Hot Plate 330°C	30 Watts	
Output Voltage	12 VDC(The car cigarette lighter adapter)	
Output Voltage from Charger	> 13 VDC	
Maximum Hot Surface Temperature	450 °C	
Dimension Size	220mm x 220 mm x 104 mm	
Copper Bar Size	Φ25 mm × 300mm	
Weight	6.7 kg	
Color	Hot plate: Silver White Casing: Black	
The output above is under 450 °C surface temperature of hot sourced		



#### How To Use:



The plug  $\Phi$  gives the output of 12 VDC from cigarette lighter socket and 5 VDC from its USB port.

The plug ② gives over 13 VDC for battery charging.

It circulates the hot air for large area heating and save the energy.

### **Instructions in use**

Put the generator on the heat source surface. About 30 seconds later, the cooling fan of the generator starts running. Wait for 5 minutes till the cooling fan running at full speed. Then you can add the load on the generator.

#### **Notes**

- (1) The casing will become a bit hot after a while. Do not touch the generator casing.
- (2) 30 seconds after the generator is placed on the heat source surface, please check if the fans start to rotate. If you do not see the fan starts to blow the air. Please take out the generator to check. To remove, please use the hanger on the top of the generator.
- (3) Generator can operate at temperature up to 450 °C heat source surface.

## **Packing List**

(1)	30W generator	one	set
(2)	Cigarette lighter (with USB port)	one	set
(3)	Battery Charging clip	one	pair

### **Serial Number**

Date	
NO.	