

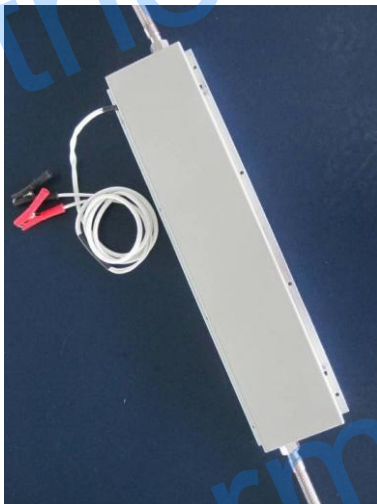
50 Watts Hot Plate to Liquid type Thermoelectric Power Generator

Description

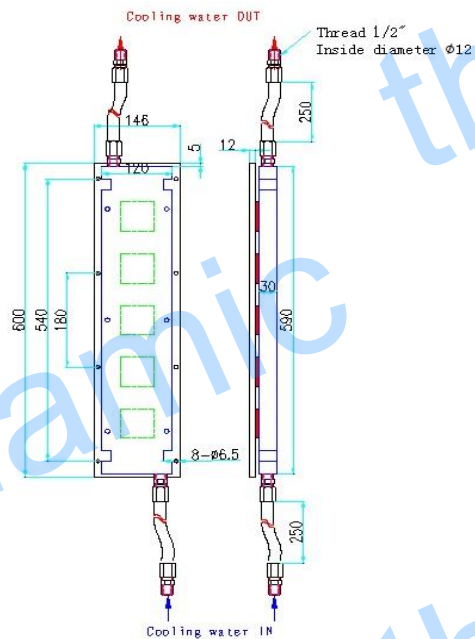
The below is a 50 watts thermoelectric power generator designed for mounting on a flat hot surface to generate the electricity. The cooling of the generator is by circulated water. The generator can be attached to the outside hot plate of a heater to convert its waste heat to generate electricity.

The thermoelectric power generator consists of 5pcs thermoelectric modules, one aluminum plate used for collecting heat and a liquid cooling block. The aluminum plate conducts the heat from the heat source surface to the hot side of the thermoelectric module. The heat flowing through the thermoelectric modules of the generator is dissipated by liquid like water. Higher heat source temperature will generate higher output power and voltage.

The generator is installed with 5pcs 56mmx56mm modules connected in series to generate about 50 watts if its hot plate is heated up to 270°C(518F). The generator features with light in weight, no noise, no vibration, reliability and easy installation.



50 Watts Output Thermoelectric Power Generator

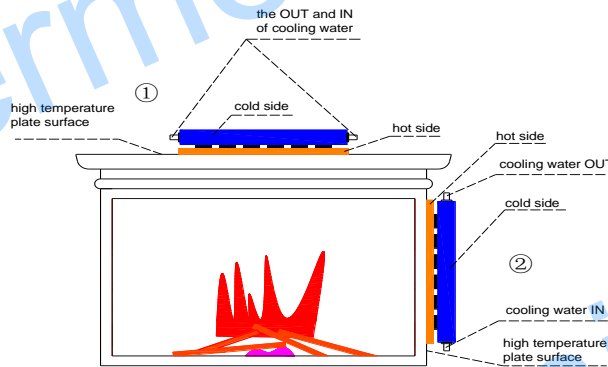


50 Watts Output Thermoelectric Power Generator Diagram

Specifications :

Part Number	TEG-HL50-12V	TEG-HL50-24V
Hot side temperature	270°C(518F)	270°C(518F)
Matched Load Output power	50W	50 W
Open circuit voltage	30 VDC	60 VDC
Matched Load Output Voltage	15 VDC	30 VDC
Matched Load Current	3.5 A	1.7 A
Dimension Size	600mm×146mm×57mm	600mm×146mm×57mm
Weight	7.8Kgs	7.8Kgs

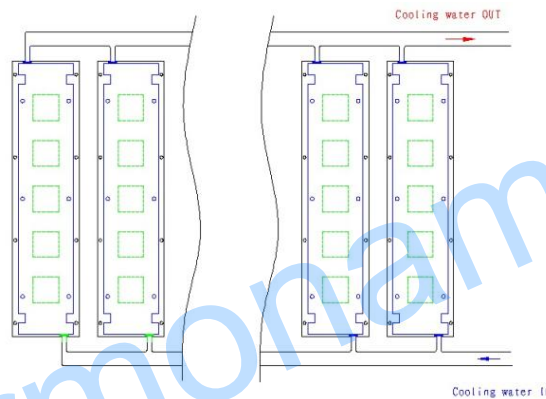
How To Use :



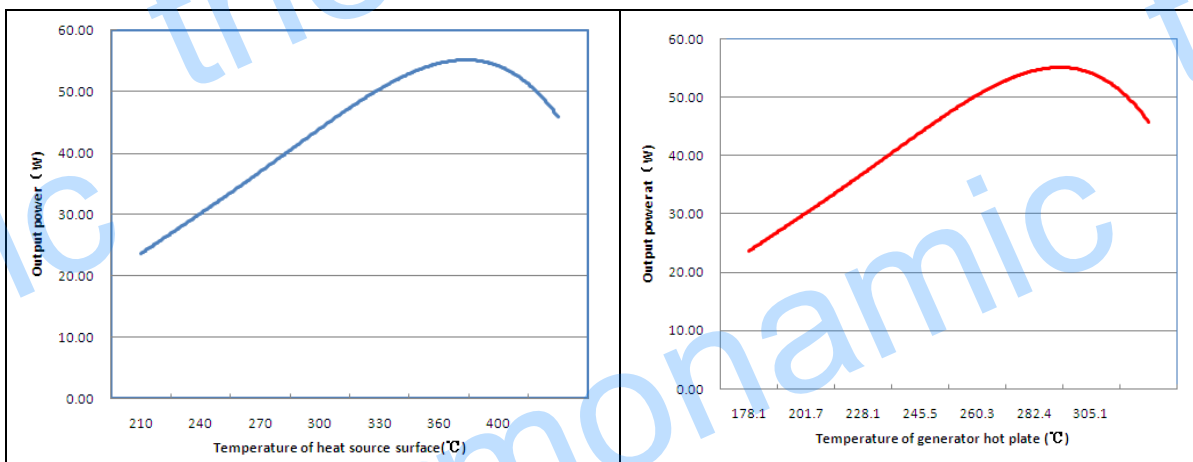
The generator can be fixed at the top of high temperature heat source plate surface as shown ① or at the side as shown ②.

Instructions in use

1. There are eight mounting holes in the hot plate of the generator, please fix to flat surface of heat source by screws.
2. If the generator is put in the vertical direction, it is better to let the cooling liquid flow from the inlet in the bottom and out from the outlet on its top.
3. You can install a lot of units for larger output power. If you install 10 units, it can generate 500 watts. Please see below.



The Output Performance:



Notes

Please drip the water when you do not use to keep dry.

Packing List

50 Watts generator one set
Water pipe two sets

Serial Number

Date	
NO.	