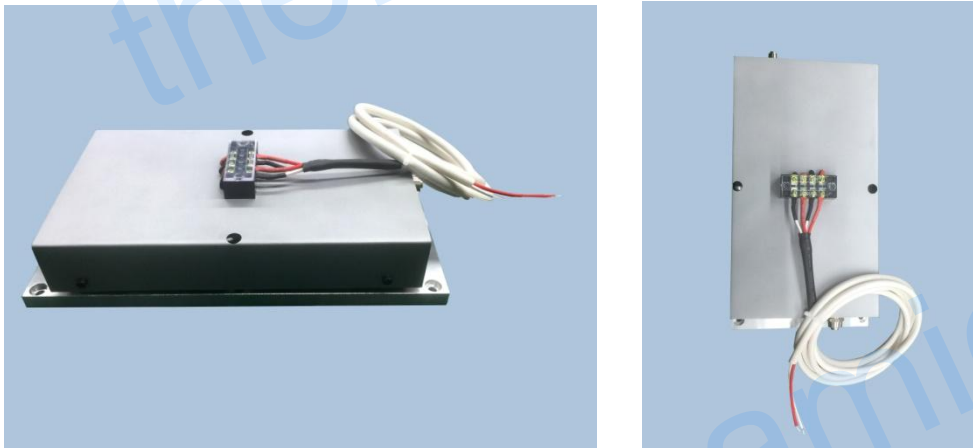


## 100 Watts Output Thermoelectric Power Generator

### Description

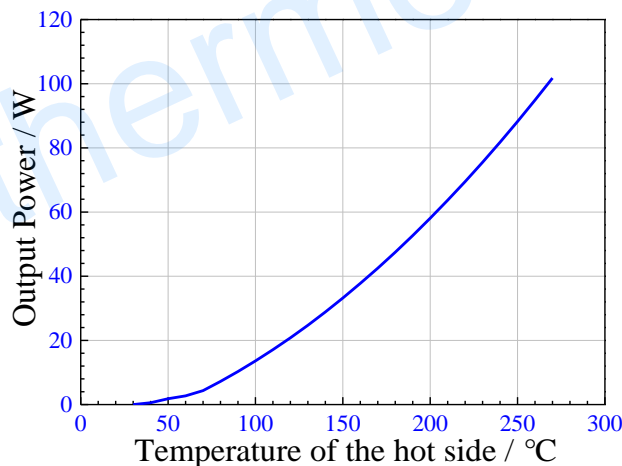
The below is a 100 watts thermoelectric power generator designed for mounting on a flat hot surface to generate the electricity. The cooling of the generator is by circulated water. The generator can be attached to the outside hot plate of a heater to convert its waste heat to generate electricity. The thermoelectric power generator consists of 8 pcs 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 can generate 100 watts if its hot plate is heated up to 270 °C and with 30 °C cooling water flow-in in 2.8 liter /per minute, the. The generator features with light in weight, no noise, no vibration, reliability and easy installation.



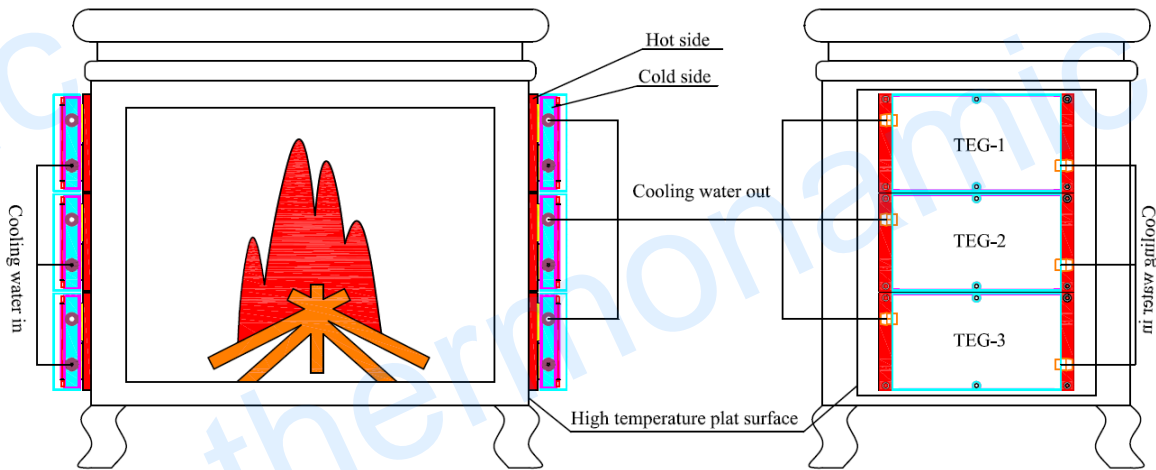
100 Watts Output Thermoelectric Power Generator

### Performance Curve and Specifications :



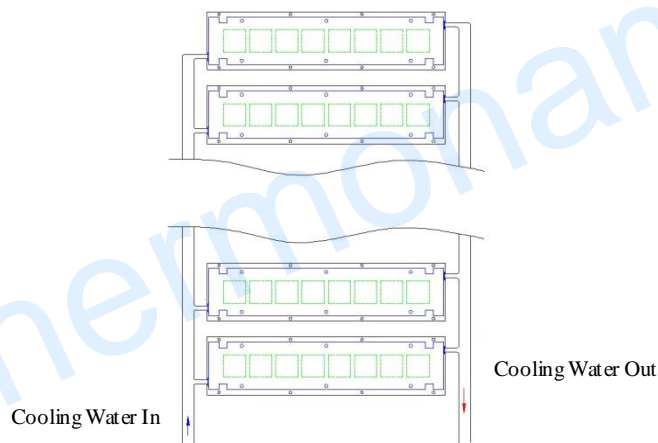
Part Number	TEG-HL100-24V-2	TEG-HL100-12V-2
Heat source/Water temperature / °C	270 / 30	270 / 30
Heat source/cooling Water Flow / cm <sup>3</sup> / min	800	800
Matched output power / W	100	100
Open circuit voltage / VDC	48	24
Matched load output Voltage / VDC	24	12
Matched load output current / A	4.2	8.4
Dimension of the unit / mm	302× 150× 57.5	302× 150× 57.5
Specifications the inlet/ outlet pipe	G1/2``or NPT1/2``	G1/2``or NPT1/2``
Weight / Kg	3.0	3.0

How to use



Instructions in use

1. Connect oil and water pipelines to the generator, if it is put in upright positing, it is better to let the water enter from the bottom and drains out from the top. The output voltage is high, please be careful and do not touch the output. The output is DC.
2. You can install a lot of units into a larger heat transfer oil pipe for larger output power. If you install 10 units, it can generate 1000 watts. Please see below.



Notes

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

Packing List

100 Watts generator one set

Serial Number

Date	
NO.	