

Peltier module:

- Skin temperature: ~ 32 °C
- Summer at night: around 20 °C
- Temperature difference: ~10 °C
- Teg2-126Ldt (size: 40x40)
 - [\[http://thermoelectric-generator.com/thermoelectric-lower-temperature-power-module-selections/\]](http://thermoelectric-generator.com/thermoelectric-lower-temperature-power-module-selections/)
 - Th=40, Tc=30C, Voltage at match load 0.2V, Amps at match load: 0.045A, Match load 4.5Ω
 - Th=60, Tc=30C, Voltage at match load 0.6V, Amps at match load: 0.11A, Match load 5.2Ω
 - Th=80, Tc=30C, Voltage at match load 1.1V, Amps at match load: 0.18A, Match load 6Ω
- <http://www.digikey.com/en/articles/techzone/2011/dec/ultra-low-voltage-energy-harvester-uses-thermoelectric-generator-for-battery-free-wireless-sensors>
- Need to consider heat sink to avoid heating up the cold side
- Converter and Power manager \$ 7.41
- Peltier module \$ 15.80
- Non flat surface connection -> difficult!

Harvester:

- EAP (Electro Active Polymere)
- Piezoelectric
- Very variable power creation
- Output power (80 ms): 100 mW
- <https://www.piceramic.com/en/applications/energy-harvesting/energy-harvesting/>