

## Why do inverters feel hot?

### **Disclaimer**

*The material in this document has been prepared by Sungrow Australia Group Pty. Ltd. ABN 76 168 258 679 and is intended as a guideline to assist solar installers for troubleshooting. It is not a statement or advice on any of the Electrical or Solar Industry standards or guidelines. Please observe all OH&S regulations when working on Sungrow equipment.*

### **Electricity is energy:**

All electrical appliances generate some amount of heat. This is due to electrical resistances in the circuitry.

A 5 kW inverter running at full power, will process about the same amount of energy as 2 large kettles, or 2 large toasters, or 50 filament style light bulbs.

*All of the above produce heat.*

### **Heat sinking:**

The inverter must be able to dissipate heat effectively. This usually means utilising a 'Heat-Sink' to dissipate the heat out of the inverter and into the open air.

All Sungrow inverters use the full chassis to disperse the heat in order to increase the efficiency of the inverter. This includes the front panel.



*This will never be hot enough to cause injury and is quite safe.*

If the issue still persists, please take photos testing on site and contact Sungrow Service Department on 1800 786 476 or email to [service@sungrowpower.com.au](mailto:service@sungrowpower.com.au).