Ventilation Requirements – All Sungrow Equipment

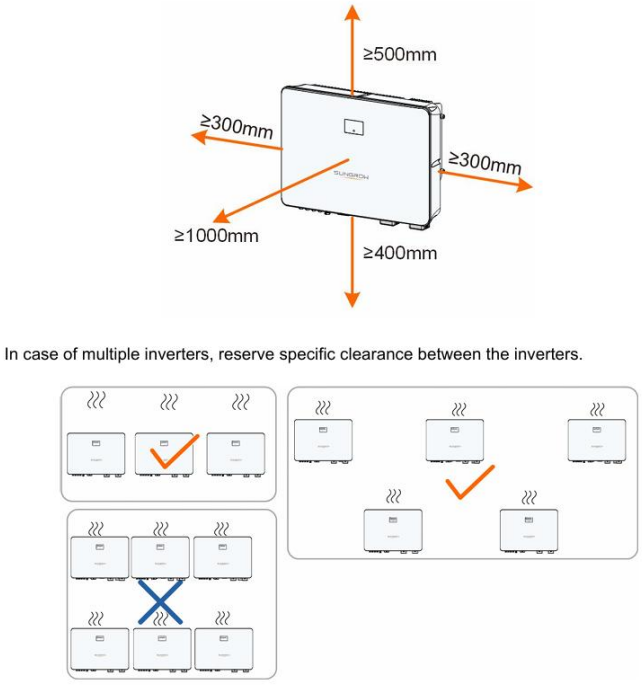
Disclaimer

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.

General:

In all Sungrow installation guides and manuals, a recommended ventilation space around the equipment is included in the installation instructions.

Below is an example from our Single-Phase Hybrid range:



Picture 1: Recommended Inverter Ventilation Dimensions

These dimensions are recommended for optimum performance. However, different sites may have different circumstances, and the dimensions may be changed to suit.

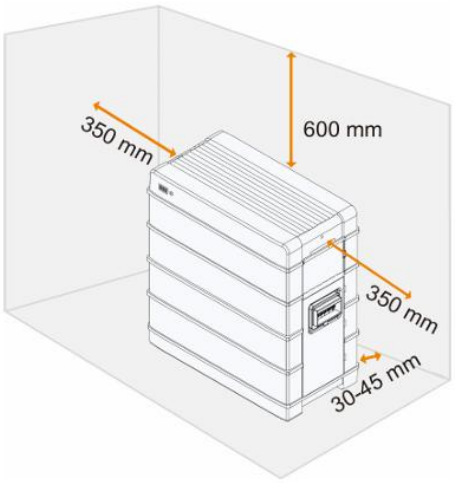
For example, in an enclosed space, a fan or air conditioning unit may be appropriate.

Please also note that the installer may compromise these ventilation requirements to suit the individual installation circumstances, as long as it is understood that if the

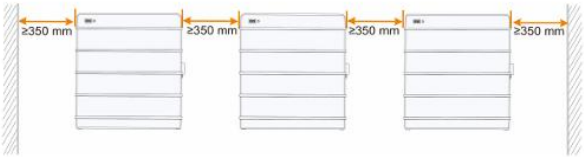
ventilation is restricted, the inverter or battery may run at a higher temperature than normal, and may de-rate as a consequence.

Batteries:

Unlike inverters, batteries do not get hot under normal running, so the ventilation dimensions are more flexible than with inverters.



- In case of multiple batteries, reserve specific clearance between the batteries.



Picture 2: Recommended ventilation dimensions

Protection from direct Sunlight:

Sunlight carries radiant heat, which, if the battery is exposed to direct sunlight, can cause the battery to overheat.

DO NOT EXPOSE BATTERIES TO DIRECT SUNLIGHT!

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.