



Manufacturer's Declaration

Minimum Clearances to Neighbouring Devices/Inverters

In the installation manuals on the product types Sunny Boy, Sunny Mini Central and Sunny Tripower, SMA specifies minimum clearances to neighbouring objects/inverters. Providing that these clearances are observed, it can be taken for granted that the inverters will be able to feed their nominal power to the grid on a long-term basis due to good heat dissipation. The specified clearances are recommendations from SMA geared towards achieving highest possible plant yield.

However, regardless of these recommendations, the installer may choose to implement smaller clearances to neighbouring objects/inverters. As a result, at high ambient temperatures and/or high power output, the inverter may heat up to a greater extent. Since all the specified inverter types are equipped with an intelligent temperature management system, there will still be no damage to the inverter in such circumstances, as the operating point of the inverter then automatically shifts to a lower power output. As a result, any further heating of the inverter is prevented. The only consequence of the shift in operating point (derating) will be a reduction in plant yield. If smaller clearances than those recommended are implemented, this will not affect inverter service life or the inverter warranty.

Kassel, 27/06/2012
SMA Solar Technology AG

A handwritten signature in black ink, appearing to read "ppa. Frank Greizer".

ppa. Frank Greizer
(Vice President MP T PD)

Kassel, 27/06/2012
SMA Solar Technology AG

A handwritten signature in black ink, appearing to read "Tobias Henne".

i. V. Tobias Henne
(Vice President MP T PM)