



Manufacturer's Declaration

Coastal installation of Sunny Boy, Sunny Boy Storage, Sunny Island and Sunny Tripower inverters

All Sunny Boy, Sunny Boy Storage, Sunny Island and Sunny Tripower inverters listed below are in principle suitable for coastal installations. The products were assessed according to EN 60068-2-52 and assigned to a corrosivity classification as per IEC 61701.

To determine the corrosivity classification applicable at your installation site, we recommend using the online tool on the page <https://www.wbdg.org/additional-resources/tools/corrosion-toolbox/iccet>.

Operating the device in areas with a higher corrosivity classification than indicated below is possible if the local installation conditions allow for a reduction of the predicted salt content. There is no exact formula to derive the distance to saline waters from a corrosivity classification because many factors influence this relation. In most cases, the salt content in the air at distances of more than 1 km to 2 km from the sea or saltwater lakes is considerably lower than in areas right on the water.

Product	Corrosivity classification according to IEC 61701
SUNNY TRIPOWER	
STP 50-40	C3
STP 50-41	C3
STP 50-JP-40	C3
STP 50-US-40	C3
STP 33-US-41, STP 50-US-41, STP 62-US-41	C3
STPS 30-20, STPS 50-20	C3
STP 15000TL-30, STP 17000TL-30, STP 20000TL-30, STP 25000TL-30	C4
STP 12000TL-US-10, STP 15000TL-US-10, STP 20000TL-US-10, STP 24000TL-US-10	C4
STP 3.0-3AV-40, STP 4.0-3AV-40, STP 5.0-3AV-40, STP 6.0-3AV-40, STP 8.0-3AV-40, STP 10.0-3AV-40	C4
STP 12-50, STP 15-50, STP 20-50, STP 25-50	C5
STP 20-US-50, STP 25-US-50, STP 30-US-50	C5
SUNNY HIGHPOWER	
SHP 100-21, SHP 150-21, SHP 172-21, SHP 180-21	C3
SUNNY ISLAND	
SI 4.4M-13, SI 4.4M-12, SI 6.0M-13, SI 6.0H-12, SI 8.0H-12, SI 8.0H-13	C4
SI 4548-US-10, SI 6048-US-10	C3
SUNNY BOY	
SB 1.5-1VL-40, SB 2.0-1VL-40, SB 2.5-1VL-40	C3
SB 3.0-1SP-US-4x, SB 3.8-1SP-US-4x, SB 5.0-1SP-US-4x, SB 6.0-1SP-US-4x, SB 7.0-1SP-US-4x, SB 7.7-1SP-US-4x	C4
SB 3.0-1AV-41, SB 3.6-1AV-41, SB 4.0-1AV-41, SB 5.0-1AV-41, SB 6.0-1AV-41	C4
SB 5.5-LV-JP-41	C4
SUNNY BOY STORAGE	
SBS 3.7-10, SBS 5.0-10, SBS 6.0-10	C4

Information:

The indicated corrosivity classifications include all lower corrosivity classifications.

The EN 60068-2-52 standard is not an integral part of the European directives for EU conformity and is therefore not specified in the EU Declaration of Conformity for the listed inverters. This document, from the time of signature, supersedes all previous manufacturer's declarations by SMA regarding the coastal installation of the products listed above.

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