



Manufacturer's Declaration

Coastal Installation of SMA Products

All SMA products listed below are suitable in principle for coastal installations to the extent specified below (corrosivity category according to IEC 61701). 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/ar/tools/corrosiontb/iccet>.

Operating the device in areas with a higher corrosivity category than indicated below is only possible if the local installation conditions allow for a reduction of the predicted salt content in such a way that the indicated corrosivity category is not exceeded. 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
STP 125-70	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
SI 50-20, SI 30-20, SI 30-LCD-20, SI 50-LCD-20	C3
SI 27-208-20, SI 40-480-20, SI 60-480-20, SI 27-208-LCD-20; SI 40-480-LCD-20, SI 60-480-LCD-20	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 SMART ENERGY

SBSE3.6-50, SBSE4.0-50, SBSE5.0-50, SBSE6.0-50, SBSE3.8-US-50, SBSE4.8-US-50, C5
SBSE5.8-US-50, SBSE 7.7-US-50

SUNNY BOY STORAGE

SBS 3.7-10, SBS 5.0-10, SBS 6.0-10 C4

SMA eCHARGER 22

EVC22-3AC-20 C5

Information:

The indicated corrosivity classifications include all lower corrosivity classifications. If the above-mentioned devices are installed in higher corrosivity categories and without corresponding local installation conditions to reduce the predicted salt content, a service claim based on the underlying contract (e.g. SMA Limited Factory Warranty, SMA Service Contract, etc.) is excluded.

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.

Niestetal, 2025-02-20

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