



Manufacturer's Declaration

The data sheets of the current SMA inverter portfolio show the maximum permissible rated power of the PV generator. This data sheet value is valid worldwide. The rated power of the PV generator has an influence on the operating conditions and thus also on the lifetime of the inverter. Therefore, compliance with this limit is always a condition of SMA's warranty.

SMA inverters are suitable for worldwide use and have also been developed and tested for operation in sunny and warm regions. In regions with less solar radiation it is therefore possible for individual types of SMA inverters to exceed the maximum rated power of the PV generator specified in the data sheet. Basically, we recommend planning the PV system with Sunny Design in order to achieve a technically and economically optimal result.

Approvals for use of the inverters in Belgium, Luxembourg, the Netherlands and Germany can be found in the table below. All other limits of the inverter (in particular maximum open circuit voltage and short circuit current of the PV generator) must be observed. The local installation regulations must be observed.

If the power of the PV generator under standard test conditions (STC) does not exceed the values listed in the table and the inverters are installed in these countries, this will not affect the warranty conditions of the inverters.

String inverter	Country	PV generator power (STC)	
		P_{DC}/P_{AC}	P_{DC} [Wp]
SB1.5-1VL-40	Belgium, Germany, Luxembourg, Netherlands	200%	3000
SB2.5-1VL-40	Belgium, Germany, Luxembourg, Netherlands	200%	5000
SB3.0-1AV-40	Belgium, Germany, Luxembourg, Netherlands	200%	6000
SB3.6-1AV-40	Belgium, Germany, Luxembourg, Netherlands	200%	7360
SB4.0-1AV-40	Belgium, Germany, Luxembourg, Netherlands	200%	8000
SB5.0-1AV-40	Belgium, Germany, Luxembourg, Netherlands	200%	10000
STP 5000TL-20	Belgium, Germany, Luxembourg, Netherlands	200%	10000
STP 6000TL-20	Belgium, Germany, Luxembourg, Netherlands	200%	12000
STP 7000TL-20	Belgium, Germany, Luxembourg, Netherlands	200%	14000
STP 8000TL-20	Belgium, Germany, Luxembourg, Netherlands	200%	16000
STP 9000TL-20	Belgium, Germany, Luxembourg, Netherlands	200%	18000
STP 10000TL-20	Belgium, Germany, Luxembourg, Netherlands	200%	20000

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