



**Project name:**

**Customer:**

**Address, location of the system:**

Inverter serial number

Product version of the inverter

**i Content of the maintenance report**

In conjunction with the other inverter documentation, the maintenance report assures faultless operation of the inverter and peripheral devices from SMA Solar Technology AG. Maintenance work does not automatically guarantee electrical safety.

The maintenance report contains all necessary maintenance intervals of the inverter as well as the preventive replacement intervals of individual components.

**i Storage of the maintenance report**

- After maintenance work, keep the maintenance report at hand near the inverter.
- Send an additional copy to [maintenance.service@sma.de](mailto:maintenance.service@sma.de).

**i Maintenance instructions**

- All work must be carried out in accordance with the maintenance manual. All safety information must be observed.

**i Regular data backup**

Back up and archive the inverter data at regular intervals. This can be done by remote query or during routine maintenance work.

No.	Appendix

# 1 Checklist

No.	Maintenance work	Interval	Date completed
1.	Reading off error messages and warnings	1 month* depending on the system size	
2.	Checking the DC switchgear	24 months	
3.	Checking the AC disconnection unit	24 months	
4.	Performing the visual inspection	24 months	
5.	Cleaning the ventilation plate	24 months*	
6.	Cleaning the air duct and ventilation grids	24 months*	
7.	Cleaning the interior	24 months	
8.	Checking the bolted connections of the power cabling	24 months	
9.	Inverter with low-temperature option: cleaning the heating elements	24 months	
10.	Checking the labels	24 months	
11.	Checking the seals	24 months	
12.	Checking the latches, door stops and hinges	24 months	
13.	Checking the inverter surface	24 months	
14.	Checking the fans	24 months	
15.	Checking the heating element and the hygrostat	24 months	
16.	Inverter with low-temperature option: checking the heating elements	24 months	
17.	Checking the function of the UPS	24 months	

\* The maintenance interval may need to be reduced depending on the location or ambient conditions.

## 2 Preventive Replacement Intervals

No.	Maintenance work	Interval	Date completed
1.	Replacing the 24 V power supply units	Every 10 years	
2.	Exterior key switch, front element and label	Every 10 years	
3.	Replacing the fan of the AC disconnection unit	Every 10 years	
4.	Replacing the inverter bridge fans	Every 13 years	
5.	Replacing the interior fan	Every 13 years	
6.	Replace key switch	If badly worn	
7.	Replace surge arrester	If tripped	
8.	Replace labels on the enclosure	If illegible, defective or missing	
9.	GFDI / ABB high-performance circuit breaker	After 100 trippings due to short circuit or after 7000 switching cycles	
10.	Remote Switch Unit of the GFDI	After 7000 switching cycles	
11.	Replace DC switchgear	After 100 trippings under load (fast stop) or after 10000 switching cycles	

Your signature confirms that the work listed above has been carried out.

Customer or contractor company*	Last name, first name*	Date	Signature
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\* in block letters