



Project name:

Customer:

Address, location of the system:

Product serial number

Product production version

i Content of the maintenance report

In conjunction with the other product documentation, the maintenance report assures faultless operation of the product 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 product 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 product.
- In addition, a copy is to be sent to maintenance.service@sma.de at the latest four weeks after completion of the maintenance work. Enter the serial number of the system on which maintenance was carried out in the subject line.

i Maintenance instructions

- All work must only be carried out in accordance with this product documentation. All safety information must be observed.

i Regular data backup

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

No.	Appendix

Maintenance Work for Qualified Persons

Maintenance work	Interval	Date completed
Clean the air duct and the ventilation grids.	12 months*	
Maintain the key switches and seals.	12 months	
Perform visual inspection.	12 months	
Clean the interior.	12 months*	
Clean the heating elements.	24 months	
Check the labels.	24 months*	
Check the fuse of the DC surge arrester for continuity.	24 months	
Check the fans.	24 months	
Check the heating elements.	24 months	
Check the functioning of the indicator lights.	24 months	
Maintain the DC load-break switch.	24 months**	
Clean the AC disconnection unit.	24 months**	
Check the AC connection contact resistors.	24 months	
Maintain the AC disconnection unit.	48 months/after a short circuit***	
Replace the fuse of the DC surge arrester.	Once triggered	
Checking the Optional Sound Absorber	24 months*	
Replace the DC fuses.	After a fault	

* After exceptional environmental incidents (e.g. sand or snow storm, volcanic eruption, forest fire) have occurred, maintenance must be carried out within one week.

** In deviation to the maintenance interval of 12 months specified by ABB, the maintenance interval stated in this documentation applies.

*** In deviation to the maintenance interval of 36 months specified by ABB, the maintenance interval stated in this documentation applies.

Maintenance Work for Service

The maintenance work must only be performed by SMA Service or qualified personnel. The qualification for maintenance work on the inverter can be acquired by attending the training "Preventative and Corrective Maintenance of Sunny Central Inverters" (formerly "First-Level-Support") at the SMA Solar Academy.

Maintenance work	Interval	Date completed
Replace the lithium-ion rechargeable battery.	10 years	
Replace the Industrial Compact Flash card.	10 years or after an error message	
Replace the interior fan.	14 years	
Replace the inverter bridge fan.	14 years	
DC Load-Break Switch	After error message	
AC disconnection unit	After error message	
Replace the three-phase short-circuiting device.	After a short circuit	
Replace the GFDI.	After 7000 cycles or 100 short circuits	
Replace the Remote GFDI.	After 7000 cycles or 100 short circuits	

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

Customer or contractor company*	Last name, first name*	Date	Signature

* in block letters