Maintenance Report

SUNNY CENTRAL 500HE-US/CA

Version: 1.1 Mat. no.: 98-4103111

Project name:	**Customer:**
Address, location of the installation:	

Serial number of the Sunny Central:	
Fabrication version of the Sunny Central:	

Contents of the maintenance report

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

The maintenance report contains all necessary Sunny Central maintenance intervals as well as the preventative replacement intervals of individual components.

Storage of the maintenance report

- After maintenance work, keep the maintenance report at hand near the Sunny Central.

Maintenance instructions

- Perform all work as described in the maintenance manual. Observe all safety precautions.

Appendices

No.:	Appendix

1 Checklist

Section in the maintenance manual	No.	Maintenance work	Interval	Date completed
4.2.2	1.	Reading error messages	1 month	
4.2.3	2.	Carrying out visual inspection	24 months	
4.3.2	3.	Checking safety messages	24 months	
4.3.4	4.	Cleaning the ventilation plate	24 months*	
4.3.5	5.	Cleaning the air duct and insect screen	24 months*	
4.3.6	6.	Cleaning the inside of the switch cabinet	24 months	
4.3.7	7.	Cleaning heating elements of the low-temperature option (optional)	24 months	
4.3.8	8.	Checking DC main fuses	24 months	
4.3.9	9.	Checking surge arresters (optional)	24 months	
4.3.10	10.	Checking the connection of power cables using terminal lugs (optional)	24 months	
4.3.11	11.	Retightening the connection of the power cables using cage clamps (optional)	12 months*	
4.3.12	12.	Checking the door seals	24 months	
4.3.13	13.	Checking locking devices, door stops and hinges	24 months	
4.3.14	14.	Checking switch cabinet surface	24 months	
4.3.15	15.	Checking the switch cabinet for corrosion	24 months	
4.4.2	16.	Checking the AC circuit breaker	48 months	
4.4.3	17.	Checking heating elements, fans and hygrostat	24 months	
4.4.4	18.	Checking the heating elements of the low-temperature option (optional)	24 months	

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

Regular data backups

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

2 Report of the Preventative Replacement Intervals

No.	Replacement parts	Replacement intervals	Date completed
1.	GFDI/soft grounding/ABB high-performance circuit breaker	After 100 trippings	
2.	Fan	Every 10 years	
3.	Surge arrester • DEHNguard	• If tripped	

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

Customer or contractor company (in block letters)	Last name, first name (in block letters)	Date Signature