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Certificate of compliance

Applicant: Sunways AG
Photovoltaic Technology
Macairestraße 3 – 5
78467 Konstanz
Germany

Product: Automatic disconnection device between a generator
and the public low-voltage grid

Model: AT2700, AT3600, AT4500, AT5000

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with DIN V VDE V 0126-1-1:2006-02 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter. This serves as a replacement for the disconnection device with insulating function which the distribution network provider can access at any time.

Applied rules and standards :

DIN V VDE V 0126-1-1 (VDE V 0126-1-1):2006-02 and „Generator at the public low-voltage grid, 4th edition 2001, guideline for connection and parallel operation of generators in the public low-voltage grid” with VDN additions (2005) from the German Electricity Association (VDEW) and Association of network operator (VDN).

The safety concept of an aforementioned representative product corresponds at the time of issue of this certificate of valid safety specifications for the specified use in accordance with regulations.

Report number: 06KFS180-VDE0126
Certificate number: U08-155
Date of issue: 2008-09-19 **Valid until:** 2010-08-29

Andreas Aufmuth

CE Declaration of Conformity

We herewith declare that the following products are in accordance with the provisions of the EMC directive 2004/108/EC and the EC low voltage directive 2006/95/EC as well as the other below-mentioned norms.

Norm	Description of the norm	NT 2600, NT 4000, NT 5000, NT 6000, NT 8000, NT 10000	AT 2700, AT 3600, AT 4500, AT 5000	PT 30k
EN 50178	Electronic equipment for use in power installations	X	X	X
EN 60950	Information technology equipment – Safety (General requirements)	X	X	
EN 61000-3-2	Limits for harmonic current emissions < 16 A per phase	X	X	
EN 61000-3-3	Limitation of voltage fluctuations and flicker < 16 A per phase	X	X	
EN 61000-3-12	Limits for harmonic currents produced by equipment > 16 A and < 75 A per phase	X	X	X
EN 61000-4-4	Electrical fast transient/burst immunity test	X	X	
EN 61000-4-8	Power frequency magnetic field immunity test	X	X	
EN 61000-6-2	Generic standards – Immunity for industrial environments	X	X	X
EN 61000-6-3	Generic standards – Emission standard for residential, commercial and light-industrial environments	X	X	
EN 61000-6-4	Generic standards – Emission standard for industrial environments	X	X	X
IEC 62103	Electronic equipment for use in power installations			X
IEC 62109	Electrical safety of static inverters and charge controllers for use in photovoltaic (PV) power systems			X

Konstanz, 01.01.2009



Place

Date

Thomas Hauser
PDM Solar Inverter



Presently applicable edition can be obtained upon request.