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Certificate of compliance

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

Product: Micro-generator in parallel with public low-voltage
distribution networks

Model: NT2600, NT4000, NT5000, NT6000

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance 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.

Applied rules and standards :

EN 50438:2007 with default interface protection settings for Portugal. The NT4000, NT5000 and NT6000 are rated >16A per phase, however all the basic requirements of the standard are fulfilled.

Basic limits:

*over voltage 264,5V
under voltage 195,5V
over frequency 51,0Hz
under frequency 47,0Hz*

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

Report number: 05KFK162-EN50438
Certificate number: U08-121
Date of issue: 2008-07-25 **Valid until:** 2011-07-25

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 2500, NT 2600, NT 3700, NT 4000, NT 4200, NT 5000, NT 6000, NT 8000, NT 10000 (850 V), NT 10000 (900 V), NT 11000, NT 12000	AT 2700, AT 3600, AT 4500, AT 5000	PT 30k PT 33k
EN 50178:1997 IEC 62103:2003	Electronic equipment for use in power installations	X	X	X
EN 61000-3-2:2008	Limits for harmonic current emissions < 16 A per phase	X	X	
EN 61000-3-3:2006	Limitation of voltage fluctuations and flicker < 16 A per phase	X	X	
EN 61000-3-11:2000	Electromagnetic compatibility (EMC) by equipment > 16 A and < 75 A per phase	X	X	X
EN 61000-3-12:2005	Limits for harmonic currents produced by equipment > 16 A and < 75 A per phase	X	X	X
EN 61000-6-2 :2006	Generic standards – Immunity for industrial environments	X	X	X
EN 61000-6-3:2005	Generic standards – Emission standard for residential, commercial and light-industrial environments	X	X	
EN 61000-6-4:2007	Generic standards – Emission standard for industrial environments	X	X	X
IEC 62109-1:2003	Electrical safety of static inverters and charge controllers for use in photovoltaic (PV) power systems	X	X	X

Konstanz, 01.01.2009



Place Date Thomas Hauser
PDM Solar Inverter



Presently applicable edition can be obtained upon request.