

# ATTESTATION OF CONFORMITY

Issued to: SONNENKRAFT GmbH  
Solarstrasse 1, 9300 St.Veit / Glan, Austria

For the product: PV Grid-tied Inverter

Trade name: **SONNENKRAFT**

Type/Model: SK-WR-3; SK-WR-4; SK-WR-5; SK-WR-6; SK-WR-8; SK-WR-10; SK-WR-12;  
SK-WR-15; SK-WR-17; SK-WR-20; SK-WR-23; SK-WR-25

Ratings: See Annex

Manufactured by: SONNENKRAFT GmbH  
Solarstrasse 1, 9300 St.Veit / Glan, Austria

Requirements: EN 62109-1:2010  
EN 62109-2:2011

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6153280.50(A-B).

This Attestation implies that the examined types are in accordance with the standards designated under the Low Voltage Directive (LVD) 2014/35/EU.


The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Arnhem, 14 March 2023

Number: 6153280.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

  
Kreny Lin  
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed

Page 1 of 3



Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

Inverter topology: Non-isolated

Over Voltage Category: III(MAINS), II(PV)

SK-WR-3:

DC: Max. input power: 4500 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A

AC: Rated power: 3000 W; Max. apparent power: 3300 VA; Nominal frequency: 50 / 60 Hz;

Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 4,3 A; Max. output current: 4,8 A;

SK-WR-4:

DC: Max. input power: 6000 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A

AC: Rated power: 4000 W; Max. apparent power: 4400 VA; Nominal frequency: 50 / 60 Hz;

Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 5,8 A; Max. output current: 6,4 A;

SK-WR-5:

DC: Max. input power: 7500 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A

AC: Rated power: 5000 W; Max. apparent power: 5500 VA; Nominal frequency: 50 / 60 Hz;

Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 7,2 A; Max. output current: 8,0 A;

SK-WR-6:

DC: Max. input power: 9000 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A

AC: Rated power: 6000 W; Max. apparent power: 6600 VA; Nominal frequency: 50 / 60 Hz;

Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 8,7 A; Max. output current: 9,6 A;

SK-WR-8:

DC: Max. input power: 12000 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A

AC: Rated power: 8000 W; Max. apparent power: 8800 VA; Nominal frequency: 50 / 60 Hz;

Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 11,6 A; Max. output current: 12,8 A;

SK-WR-10:

DC: Max. input power: 15000 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A

AC: Rated power: 10000 W; Max. apparent power: 11000 VA; Nominal frequency: 50 / 60 Hz;

Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 14,5 A; Max. output current: 15,9 A;



**SK-WR-12:**

DC: Max. input power: 18000 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A  
AC: Rated power: 12000 W; Max. apparent power: 13200 VA; Nominal frequency: 50 / 60 Hz;  
Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 17,4 A; Max. output current: 19,1 A;

**SK-WR-15:**

DC: Max. input power: 22500 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 15000 W; Max. apparent power: 16500 VA; Nominal frequency: 50 / 60 Hz;  
Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 21,7 A; Max. output current: 23,9 A;

**SK-WR-17:**

DC: Max. input power: 25500 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 17000 W; Max. apparent power: 18700 VA; Nominal frequency: 50 / 60 Hz;  
Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 24,6 A; Max. output current: 27,1 A;

**SK-WR-20:**

DC: Max. input power: 30000 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 20000 W; Max. apparent power: 22000 VA; Nominal frequency: 50 / 60 Hz;  
Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 29,0 A; Max. output current: 31,9 A;

**SK-WR-23:**

DC: Max. input power: 34500 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 23000 W; Max. apparent power: 25300 VA; Nominal frequency: 50 / 60 Hz;  
Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 33,3 A; Max. output current: 36,7 A;

**SK-WR-25:**

DC: Max. input power: 34500 W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600 V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 25000 W; Max. apparent power: 27500 VA; Nominal frequency: 50 / 60 Hz;  
Nominal voltage: 3 / N / PE 230 / 400 V<sub>ac</sub>; Nominal output current: 36,2 A; Max. output current: 39,9 A;

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