

# ATTESTATION OF CONFORMITY

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

For the product: Grid-connected PV 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 50549-1:2019  
COMMISSION REGULATION (EU) 2016/631 (NC RfG)

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6153275.50.

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.

Arnhem, 14 March 2023

Number: 6153275.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

  
Kreny Lin  
Certification Manager

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## Annex to 6153275.01AOC

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

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

AC: Rated power: 3000W; Max. apparent power: 3300VA; 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: 6000W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

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

AC: Rated power: 4000W; Max. apparent power: 4400VA; 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: 7500W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

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

AC: Rated power: 5000W; Max. apparent power: 5500VA; 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: 9000W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

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

AC: Rated power: 6000W; Max. apparent power: 6600VA; 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: 12000W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

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

AC: Rated power: 8000W; Max. apparent power: 8800VA; 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: 15000W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;

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

AC: Rated power: 10000W; Max. apparent power: 11000VA; 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;



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### SK-WR-12:

DC: Max. input power: 18000W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600V<sub>dc</sub>; Max. DC current: 14 A / 14 A; I<sub>sc</sub> PV: 18,2 A / 18,2 A  
AC: Rated power: 12000W; Max. apparent power: 13200VA; 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: 22500W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 15000W; Max. apparent power: 16500VA; 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: 25500W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 17000W; Max. apparent power: 18700VA; 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: 30000W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 20000W; Max. apparent power: 22000VA; 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: 34500W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 23000W; Max. apparent power: 25300VA; 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: 34500W; Absolute max. voltage: 1100 V<sub>dc</sub>; MPPT voltage range: 140-1000 V<sub>dc</sub>;  
Nominal operating voltage: 600V<sub>dc</sub>; Max. DC current: 28 A / 28 A; I<sub>sc</sub> PV: 36,4 A / 36,4 A  
AC: Rated power: 25000W; Max. apparent power: 27500VA; 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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