

ATTESTATION OF CONFORMITY

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

For the product: Hybrid Inverter

Trade name: **SONNENKRAFT**

Type/Model: SK-HWR-5, SK-HWR-6, SK-HWR-8, SK-HWR-10, SK-HWR-12

Ratings: See Annex

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

Requirements: EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012+A1:2017

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 6150406.50(A-C).

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

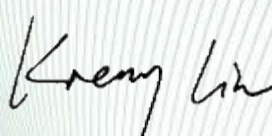
The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of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

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

Arnhem, 2 February 2023

Number: 6150406.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.


Kreny Lin
Certification Manager

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Annex

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Ratings of product:

Protective class: I

Ingress protection rating: IP65

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

Over voltage category: III(AC), II(DC)

SK-HWR-5:

PV input: max input power: 7500W, absolute max voltage: 1000 Vdc, MPPT voltage range: 160~950 Vdc, nominal operating voltage: 720Vdc, max input current: 14 A/14 A, I_{sc} PV: 16 A/16 A

Battery: voltage range: 180-600 Vdc, max charge/discharge current: 26 A/26 A, type: Lithium-Ion

AC input: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max input current: 15,2 A, max apparent power: 10000 VA

AC output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max power 5000 W, max apparent power 5500 VA, max output current: 8,0 A

EPS output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, max output current: 15,2 A, nominal frequency: 50/60 Hz, max apparent power 10000 VA

SK-HWR-6:

PV input: max input power: 9000W, absolute max voltage: 1000 Vdc, MPPT voltage range: 160~950 Vdc, nominal operating voltage: 720Vdc, max input current: 14 A/14 A, I_{sc} PV: 16 A/16 A

Battery: voltage range: 180-600 Vdc, max charge/discharge current: 26 A/26 A, type: Lithium-Ion

AC input: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max input current: 18,2 A, max apparent power: 12000 VA

AC output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max power 6000 W, max apparent power 6600 VA, max output current: 9,6 A

EPS output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, max output current: 18,2 A, nominal frequency: 50/60 Hz, max apparent power 12000 VA

SK-HWR-8:

PV input: max input power: 10400W, absolute max voltage: 1000 Vdc, MPPT voltage range: 160~950 Vdc, nominal operating voltage: 720Vdc, max input current: 26 A/14 A, I_{sc} PV: 32 A/16 A

Battery: voltage range: 180-600 Vdc, max charge/discharge current: 26 A/26 A, type: Lithium-Ion

AC input: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max input current: 24,2 A, max apparent power: 16000 VA

AC output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max power 8000 W, max apparent power 8800 VA, max output current: 12,8 A

EPS output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, max output current: 21,2 A, nominal frequency: 50/60 Hz, max apparent power 14000 VA

SK-HWR-10:

PV input: max input power: 13000W, absolute max voltage: 1000 Vdc, MPPT voltage range: 160~950 Vdc, nominal operating voltage: 720Vdc, max input current: 26 A/14 A, I_{sc} PV: 32 A/16 A

Battery: voltage range: 180-600 Vdc, max charge/discharge current: 26 A/26 A, type: Lithium-Ion

AC input: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max input current: 24,2 A, max apparent power: 16000 VA

AC output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max power 10000 W, max apparent power 11000 VA, max output current: 16,0 A

EPS output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, max output current: 22,7 A, nominal frequency: 50/60 Hz, max apparent power 15000 VA

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SK-HWR-12:

PV input: max input power: 15000W, absolute max voltage: 1000 Vdc, MPPT voltage range: 160~950 Vdc, nominal operating voltage: 720Vdc, max input current: 26 A/14 A, I_{sc} PV: 32 A/16 A

Battery: voltage range: 180-600 Vdc, max charge/discharge current: 26 A/26 A, type: Lithium-Ion

AC input: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max input current: 24,2 A, max apparent power: 16000 VA

AC output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, nominal frequency: 50/60 Hz, max power 12000 W, max apparent power 13200 VA, max output current: 19,2 A

EPS output: nominal voltage: 220/380, 230/400 Vac, 3L/N/PE, max output current: 22,7 A, nominal frequency: 50/60 Hz, max apparent power 15000 VA

End