

# ATTESTATION OF CONFORMITY

Issued to: Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High Technology Industrial Development Zone, 230088,  
Hefei, P. R. China

For the product: Grid-connected PV inverter

Trade name: 

Type/Model: SG3.0RT, SG4.0RT, SG5.0RT, SG6.0RT, SG7.0RT, SG8.0RT, SG10RT,  
SG12RT, SG15RT, SG17RT, SG20RT

Ratings: See Annex

Manufactured by: Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High Technology Industrial Development Zone, 230088,  
Hefei, P. R. China

Requirements: EN 50549-1:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 6093833.50.

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, 3 March 2021

Number: 6093833.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin  
Certification Manager

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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

SG3.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max: 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE 230 Vac, 50/60 Hz, max 5.1 A, rated 3000 VA, max 3300 VA

SG4.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max: 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE 230 Vac, 50/60 Hz, max 6.8 A, rated 4000 VA, max 4400 VA

SG5.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 8.3 A, rated 5000 VA, max 5500 VA

SG6.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 10.0 A, rated 6000 VA, max 6600 VA

SG7.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 11.7 A, rated 7000 VA, max 7700 VA

SG8.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 13.3 A, rated 8000 VA, max 8800 VA

SG10RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 16.7 A, rated 10000 VA, max 11000 VA

SG12RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 20.0 A, rated 12000 VA, max 13200 VA

SG15RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 25.0 A, rated 15000 VA, max 16500 VA

SG17RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 28.3 A, rated 17000 VA, max 18700 VA

SG20RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 31.9 A, rated 20000 VA, max 22000 VA