

# 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: SH5.0RT, SH6.0RT, SH8.0RT, SH10RT,  
SH5.0RT-20, SH6.0RT-20, SH8.0RT-20, SH10RT-20

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. 6139758.50

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, 28 October 2022

Number: 6139758.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin  
Certification Manager

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## Ratings of 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

### SH5.0RT:

PV input: Max. 1000 Vdc, MPPT voltage range: 150-950 Vdc, max 12.5 A / 12.5 A, Isc PV: 16 A /16 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 7.3 A, max 5000 W / 5000 VA

Max input power / current from grid: 12500W / 18.1 A

### SH6.0RT:

PV input: Max. 1000 Vdc, MPPT voltage range: 200-950 Vdc, max 12.5 A / 12.5 A, Isc PV: 16 A /16 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 8.7 A, max 6000 W / 6000 VA

Max input power / current from grid: 15000 W / 21.7 A

### SH8.0RT:

PV input: Max. 1000 Vdc, MPPT voltage range: 200-950 Vdc, max 12.5 A / 12.5 A, Isc PV: 16 A /16 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 11.6 A, max 8000 W / 8000 VA

Max input power / current from grid: 18600 W / 27 A

### SH10RT:

PV input: Max. 1000 Vdc, MPPT voltage range: 200-950 Vdc, max 12.5 A / 25 A, Isc PV: 16 A /32 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, Max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 14.5 A, max 10000 W/ 10000 VA

Max input power / current from grid: 20600 W / 30 A

### SH5.0RT-20:

PV input: Max. 1000 Vdc, MPPT voltage range: 150-950 Vdc, max 13.5 A / 13.5 A, Isc PV: 18 A /18 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 7.3 A, max 5000 W / 5000 VA

Max input power / current from grid: 12500W / 18.1 A

### SH6.0RT-20:

PV input: Max. 1000 Vdc, MPPT voltage range: 200-950 Vdc, max 13.5 A / 13.5 A, Isc PV: 18 A /18 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 8.7 A, max 6000 W / 6000 VA

Max input power / current from grid: 15000 W / 21.7 A

### SH8.0RT-20:

PV input: Max. 1000 Vdc, MPPT voltage range: 200-950 Vdc, max 13.5 A / 13.5 A, Isc PV: 18 A /18 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 11.6 A, max 8000 W / 8000 VA

Max input power / current from grid: 18600 W / 27 A

### SH10RT-20:

PV input: Max. 1000 Vdc, MPPT voltage range: 200-950 Vdc, max 13.5 A / 27 A, Isc PV: 18 A /36 A

Battery: Type: Lithium, Voltage range: 150 V-600 V, Max continuous charge/discharge current: 30 A/ 30 A

AC output: 3/N/PE, 400/230 Vac, 50/60 Hz, rated 14.5 A, max 10000 W/ 10000 VA

Max input power / current from grid: 20600 W / 30 A

End