



Product Service

# Attestation of Conformity

No. N8A 073342 0327 Rev. 00

**Holder of Certificate:** **Sungrow Power Supply Co., Ltd.**  
No. 1699 Xiyou Road, New & High  
Technology Industrial Development Zone,  
230088 Hefei, Anhui  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**Grid-connected Hybrid Inverter**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092103511-00

**Date,** 2021-05-18

( Zhengdong Ma )

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



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**Model(s):** SH3.0RS, SH3.6RS, SH4.0RS, SH5.0RS, SH6.0RS

## Parameters:

PV input	
Max. input voltage	d.c. 600V
MPP voltage range	d.c. 40...560V
Max. input current	d.c. 32A(16A/16A)
Isc PV (absolute maximum)	d.c. 40A(20A/20A)
Battery port	
Battery type	Li-ion battery
Battery voltage range	d.c. 80...460V
Max. charge/discharge current	d.c. 30A
Max. charge/discharge power	6600W
AC grid output	
Rated output voltage	a.c. 220V/230V/240V
Rated output frequency	50Hz / 60Hz
Rated output active power	3000W(SH3.0RS), 3680W(SH3.6RS), 4000W(SH4.0RS), 5000W(SH5.0RS), 6000W(SH6.0RS)
Rated output apparent power	3000VA(SH3.0RS), 3680VA(SH3.6RS), 4000VA(SH4.0RS), 5000VA(SH5.0RS), 6000VA(SH6.0RS)
Max. continuous output current	a.c. 13.7A(SH3.0RS), a.c. 16A(SH3.6RS), a.c. 18.2A(SH4.0RS), a.c. 22.8A(SH5.0RS), a.c. 27.3A(SH6.0RS)
Power factor range	0.8 Lead...0.8 Lag
AC Backup output	
Rated output voltage	a.c. 220V/230V/240V
Max. continuous output current	a.c. 13.7A(SH3.0RS), a.c. 16A(SH3.6RS), a.c. 18.2A(SH4.0RS), a.c. 22.8A(SH5.0RS), a.c. 27.3A(SH6.0RS)
Rated output frequency	50Hz / 60Hz
Rated output active power	3000W(SH3.0RS), 3680W(SH3.6RS), 4000W(SH4.0RS), 5000W(SH5.0RS), 6000W(SH6.0RS)
Rated output apparent power	3000VA(SH3.0RS), 3680VA(SH3.6RS), 4000VA(SH4.0RS), 5000VA(SH5.0RS), 6000VA(SH6.0RS)
Power factor range	0 Lead...1...0 Lag
Protection class	
Protection class	I
Degree of protection	IP65
Overvoltage category	II (PV, Battery), III (MAINS)
Ambient temperature	-25°C...+60°C



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**Tested  
according to:**

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

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