



Product Service

CERTIFICATE

No. B 073342 0326 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

Certification Mark:



Product:

Converter
Grid-connected Hybrid Inverter

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092103511-00

Valid until: 2026-05-17

Date, 2021-05-18

(Zhengdong Ma)

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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	I
Degree of protection	IP65
Overvoltage category	II (PV, Battery), III (MAINS)
Ambient temperature	-25°C...+60°C

Tested according to: IEC 62109-1:2010
 IEC 62109-2:2011
 IEC 62477-1:2012
 IEC 62477-1:2012/AMD1:2016
 EN 62109-1:2010
 EN 62109-2:2011
 EN 62477-1:2012/A1:2017