

# VERIFICATION OF COMPLIANCE

No.: GZES2411021850PV


Applicant: Global Tech China Ltd.  
Unit 702-704, 7/F., Texwood Plaza, 6 How Ming Street, Kwun Tong, Kln., Hong Kong, China

Manufacturer: Global Tech China Ltd.  
Unit 702-704, 7/F., Texwood Plaza, 6 How Ming Street, Kwun Tong, Kln., Hong Kong, China

Product Name: Hybrid Inverter

Product Description: Hybrid Inverter used in PV system

Model No.: SM8.0kWPLL, SM8.0kWLLL, SM8.0kWLSL, SM8.0kWGBL, LIFE8.0HYB02L, SM6.0kWPLL, SM6.0kWLLL, SM6.0kWLSL, SM6.0kWGBL, LIFE6.0HYB02L, SM5.5kWPLL, SM5.5kWLLL, SM5.5kWLSL, SM5.5kWGBL, LIFE5.5HYB02L

Trade Mark: 

Rating: See page 2

Protection against Electric Shock: Class I

Additional Information (if any): IP 41;  
Serial Number: 3124440082  
Master Software version: LCD\_V1.5 2004

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: IEC 62109-1:2010  
IEC 62109-2:2011

as shown in the

Test Report Number(s): GZES241102185001  
GZES241102185002

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

  
David Guo

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2025-01-23

This document is issued by the Company under its General Conditions of Service accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS-CSTC Standards Technical Services Co., Ltd.  
16F, Century Yu Hui Mansion, No.73, Fucheng Road, Haidian District, Beijing, 100142, CHINA  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
Member of the SGS Group (SGS SA)

No.:

GZES2411021850PV

Other information added:

Rating:

<b>Model Specifications</b>	SM5.5kWPLL, SM5.5kWLLL, SM5.5kWLSL, SM5.5kWGBL, LIFE5.5HYB02L	SM6.0kWPLL, SM6.0kWLLL, SM6.0kWLSL, SM6.0kWGBL, LIFE6.0HYB02L	SM8.0kWPLL, SM8.0kWLLL, SM8.0kWLSL, SM8.0kWGBL, LIFE8.0HYB02L
<b>PV Input Parameters</b>			
Max. PV Power	6800 W	8000 W	10000 W
Max. PV Input voltage	500 V	500 V	500 V
MPPT Voltage Range	120-450 V	120-450 V	120-450 V
Start-up Voltage	150 V	150 V	150 V
Max. PV Current	16 A	15 A+15 A	23 A+23 A
<b>AC Output / Input Parameters</b>			
Max. Input Power	5500 W	6000 W	8000 W
Max. Input / Output Apparent Power	5500 VA	6000 VA	8000 VA
Max. Input / Output Current	24 A	26 A	36 A
Nominal Voltage	230 V		
Nominal Frequency	50/60 Hz		
Power Factor Range	0.8 Leading ~ 0.8 Lagging		
Max. Bypass Current	40 A	40 A	42 A
<b>Battery Parameters</b>			
Battery Type	Li-Ion or Lead-acid		
Nominal Battery Voltage	48 V		
Battery Input Voltage Range	40~60 V		
Max. Charging Voltage	60 V (Configurable)		
Max. Charge Current	90 A (Configurable)	120 A (Configurable)	150 A (Configurable)
Max. Discharge Current	120 A (Configurable)	130 A (Configurable)	180 A (Configurable)
<b>General Information</b>			
Protective Class	I		
Enclosure Protection (IP)	IP41		
Operating temperature range	-25~50°C (>35°C derating)		
Dimension	541×420×140 mm	541×420×140 mm	570×525×140 mm
Weight	16.1 kg	16.1 kg	24.5 kg

David Guo

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2025-01-23

This document is issued by the Company under its General Conditions of Service accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS-CSTC Standards Technical Services Co., Ltd.  
16F, Century Yu Hui Mansion, No.73, Fucheng Road, Haidian District, Beijing, 100142, CHINA  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
Member of the SGS Group (SGS SA)