

# Certificate of Conformity (COC)



Certificate Holder : Global Tech China Ltd  
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Date of Original Issue : 2025-04-01


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Date of Expiry : 2028-03-31

Certificate Number : PCS-25-1054

Product : Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark : 

Model : SM5.5kWPLL, SM5.5kWLSL, SM5.5kWLLL, SM5.5kWGBL, LIFE5.5HYB02L, SM6.0kWPLL, SM6.0kWLSL, SM6.0kWLLL, SM6.0kWGBL, LIFE6.0HYB02L, SM8.0kWPLL, SM8.0kWLSL, SM8.0kWLLL, SM8.0kWGBL, LIFE8.0HYB02L

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch

Testing Report : SUEE241200013151

Test Standard : EN 50549-1: 2019



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).  
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

The above-mentioned product is certified according to the standard EN 50549-1: 2019 and is valid to be installed in generating of type plants B to be connected to a LV distribution network. The relation between this European Standard with the relevant Article of COMMISSION REGULATION (EU) 2016/631 (NC RfG) is considered as it is indicated in the annex H of the standard EN 50549-1:2019.

Christopher Hee  
Certification Officer



SGS Testing & Control Services Singapore Pte Ltd  
30 Boon Lay Way #03-01 Singapore 609957



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Model Specifications	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
PV Input Parameters			
Max. PV Power	6800W	8000W	10000W
Max. PV Input voltage	500V	500V	500V
MPPT Voltage Range	120-450V	120-450V	120-450V
Start-up Voltage	150V	150V	150V
Max. PV Current	16A	15A+15A	23A+23A
AC Output / Input Parameters			
Max. Input Power	5500W	6000W	8000W
Max. Input / Output Apparent Power	5500VA	6000VA	8000VA
Max. Input / Output Current	24A	26A	36A
Nominal Voltage	230V		
Nominal Frequency	50/60Hz		
Power Factor Range	0.8 Leading ~ 0.8 Lagging		
Max. Bypass Current	40A	40A	42A
Battery Parameters			
Battery Type	Li-Ion or Lead-acid		
Nominal Battery Voltage	48V		
Battery Input Voltage Range	40~60V		
Max. Charging Voltage	60V (Configurable)		
Max. Charge Current	90A (Configurable)	120A (Configurable)	150A (Configurable)
Max. Discharge Current	120A (Configurable)	130A (Configurable)	180A (Configurable)
Battery Capacity (Recommended)	100-2000Ah	100-2000Ah	100-2000Ah
General Information			
Protective Class	Class I		
Enclosure Protection (IP)	IP41		
Operating temperature range	-20 °C ~ +50 °C (>35 °C derating)		

