

Certificate of Conformity (COC)



Certificate Holder : Sunsynk Ltd.
Unit 702-704, 7/F., Texwood Plaza, 6 How Ming Street, Kwun Tong, Kln., Hong Kong, China

Date of Original Issue : 2026-03-27


Date of Last Revision : --

Date of Expiry : 2029-03-26

Certificate Number : PCS-26-1048

Product : Hybrid Inverter

Ratings : See appendix on page 2 to page 4

Brand/Trademark : SUN  SYNK®

Model(s) : SM3.6kWPLL65, SM3.6kWLLL65, SM3.6kWLSL65, SM3.6kWGBL65, LIFE3.6HYB02L65, SM4.0kWPLL65, SM4.0kWLLL65, SM4.0kWLSL65, SM4.0kWGBL65, LIFE4.0HYB02L65, SM5.5kWPLL65, SM5.5kWLLL65, SM5.5kWLSL65, SM5.5kWGBL65, LIFE5.5HYB02L65, SM6.0kWPLL65, SM6.0kWLLL65, SM6.0kWLSL65, SM6.0kWGBL65, LIFE6.0HYB02L65, SM7.2kWPLL65, SM7.2kWLLL65, SM7.2kWLSL65, SM7.2kWGBL65, LIFE7.2HYB02L65, SM8.0kWPLL65, SM8.0kWLLL65, SM8.0kWLSL65, SM8.0kWGBL65, LIFE8.0HYB02L65, SM10.0kWPLL65, SM10.0kWLLL65, SM10.0kWLSL65, SM10.0kWGBL65, LIFE10.0HYB02L65, SM12.0kWPLL65, SM12.0kWLLL65, SM12.0kWLSL65, SM12.0kWGBL65, LIFE12.0HYB02L65

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

Testing Report : SUGC260300003351

Test Standard : NRS 097-2-1: 2024 Edition 3



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.

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	SM3.6kWPLL65, SM3.6kWLLL65, SM3.6kWLSL65, SM3.6kWGBL65, LIFE3.6HYB02L65	SM4.0kWPLL65, SM4.0kWLLL65, SM4.0kWLSL65, SM4.0kWGBL65, LIFE4.0HYB02L65	SM5.5kWPLL65, SM5.5kWLLL65, SM5.5kWLSL65, SM5.5kWGBL65, LIFE5.5HYB02L65
PV Input Parameters			
Max. PV Power	7200W	8000W	6800W
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	15A+15A	15A+15A	16A+16A
AC Output / Input Parameters			
Max. Input Power	3600W	4000W	5500W
Max. Input / Output Apparent Power	3600VA	4000VA	5500VA
Max. Input / Output Current	16A	18A	24A
Nominal Voltage	230V		
Nominal Frequency	50/60Hz		
Power Factor Range	0.8 Leading ~ 0.8 Lagging		
Max. Bypass Current	40A	40A	40A
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	60A (Configurable)	70A (Configurable)	90A (Configurable)
Max. Discharge Current	80A (Configurable)	90A (Configurable)	120A (Configurable)
Battery Capacity (Recommended)	100-2000Ah	100-2000Ah	100-2000Ah
General Information			
Protective Class	Class I		
Enclosure Protection (IP)	IP65		
Operating temperature range	-20 °C ~ +50 °C (>35 °C derating)		



Model Specifications	SM6.0kWPLL65, SM6.0kWLLL65, SM6.0kWLSL65, SM6.0kWGBL65, LIFE6.0HYB02L65	SM8.0kWPLL65, SM8.0kWLLL65, SM8.0kWLSL65, SM8.0kWGBL65, LIFE8.0HYB02L65	SM10.0kWPLL65, SM10.0kWLLL65, SM10.0kWLSL65, SM10.0kWGBL65, LIFE10.0HYB02L65
PV Input Parameters			
Max. PV Power	9000W	12000W	15000W
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	18A+18A	28A+28A	28A+28A
AC Output / Input Parameters			
Max. Input Power	6000W	8000W	10000W
Max. Input / Output Apparent Power	6000VA	8000VA	10000VA
Max. Input / Output Current	27A	36A	45A
Nominal Voltage	230V		
Nominal Frequency	50/60Hz		
Power Factor Range	0.8 Leading ~ 0.8 Lagging		
Max. Bypass Current	40A	42A	63A
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	120A (Configurable)	150A (Configurable)	180A (Configurable)
Max. Discharge Current	130A (Configurable)	180A (Configurable)	220A (Configurable)
Battery Capacity (Recommended)	100-2000Ah	100-2000Ah	100-2000Ah
General Information			
Protective Class	Class I		
Enclosure Protection (IP)	IP65		
Operating temperature range	-20 °C ~ +50 °C (>35 °C derating)		



Model Specifications	SM7.2kWPLL65, SM7.2kWLLL65, SM7.2kWLSL65, SM7.2kWGBL65, LIFE7.2HYB02L65	SM12.0kWPLL65, SM12.0kWLLL65, SM12.0kWLSL65, SM12.0kWGBL65, LIFE12.0HYB02L65
PV Input Parameters		
Max. PV Power	10000W	18000W
Max. PV Input voltage	500V	500V
MPPT Voltage Range	120-450V	120-450V
Start-up Voltage	150V	150V
Max. PV Current	23A+23A	30A+30A
AC Output / Input Parameters		
Max. Input Power	7200W	12000W
Max. Input / Output Apparent Power	7200VA	12000VA
Max. Input / Output Current	33A	55A
Nominal Voltage	230V	
Nominal Frequency	50/60Hz	
Power Factor Range	0.8 Leading ~ 0.8 Lagging	
Max. Bypass Current	42A	63A
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	135A (Configurable)	220A (Configurable)
Max. Discharge Current	165A (Configurable)	260A (Configurable)
Battery Capacity (Recommended)	100-2000Ah	100-2000Ah
General Information		
Protective Class	Class I	
Enclosure Protection (IP)	IP65	
Operating temperature range	-20 °C ~ +50 °C (>35 °C derating)	

