Test Verification of Conformity

Verification Number: 250219072SZN-VOC001

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant EU legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Shanghai Sunplus New Energy Technology Co.,Ltd. Room 806, Building 58, NO.260 Maoyuan Road, Fengxian District, Shanghai China
Product Description:	Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix
Models/Type References:	SP1S-1P6K-L, SP1S-1P3K-L, SP1S-1P3.6K-L, SP1S-1P4K-L, SP1S-1P4.6K-L, SP1S-1P5K-L, SP1A-1P3K-L, SP1A-1P3.6K-L, SP1A-1P4K-L, SP1A-1P4.6K-L, SP1A-1P5K-L, SP1A-1P6K-L
Brand Name:	Sunplus
Specification<s>/Standards:	See Appendix
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. No.101&201, Building B, No. 308, Wuhe Avenue, Zhangkengjing, Guanhu Street, Longhua District, Shenzhen, Guangdong, China
Date of Tests:	22 March 2024 to 08 June 2024
Test Report Number(s):	250219072SZN-001

Additional information in Appendix.

Damon

Signature
Name: Damon Wang
Position: Team Leader
Date: 10 March 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250219072SZN-VOC001

Specification<s>/Standards:	EN IEC 61000-6-1:2019 IEC 61000-6-1:2016 Part 6-1: Generic standards — Immunity for residential, commercial and light-industrial environments EN IEC 61000-6-3:2021 IEC 61000-6-3:2020 Part 6-3: Generic standards — Emission standard for residential, commercial and light-industrial environments EN IEC 61000-3-2:2019+A1:2021 IEC 61000-3-2:2018 Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current up to and including 16A per phase) EN 61000-3-12:2011 IEC 61000-3-12:2011 Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase EN 61000-3-3:2013+A2:2021 IEC 61000-3-3:2013+A2:2021 Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16A per phase and not subject to conditional connection EN IEC 61000-3-11:2019 IEC 61000-3-11:2017 Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection EN 62920:2017+A1:2021 IEC 62920:2017+A1:2021 Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment

Damon

Signature

Name: Damon Wang
Position: Team Leader
Date: 10 March 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250219072SZN-VOC001

Ratings & Principle Characteristics:

Model:	SP1S-1P3K-L SP1A-1P3K-L	SP1S-1P3.6K-L SP1A-1P3.6K-L	SP1S-1P4K-L SP1A-1P4K-L	SP1S-1P4.6K-L SP1A-1P4.6K-L	SP1S-1P5K-L SP1A-1P5K-L	SP1S-1P6K-L SP1A-1P6K-L
PV input parameters:						
Maximum input power	8000 W	8600 W	9000 W			
Maximum input voltage	600 Vd.c.					
Rated input voltage	360 Vd.c.					
MPPT voltage range	100 - 550 Vd.c.					
MPPT voltage range (full load)	250 - 520 Vd.c.					
Maximum input current	16 Ad.c.					
Isc PV	20 Ad.c.					
Number of MPPTs	2					
Number of Strings per MPPT	1					
Battery input/output terminal parameters:						
Battery type	Lithium-ion/Lead-acid					
Rated voltage	51.2 Vd.c.					
Battery voltage range	42 -60 Vd.c.					
Maximum charging power	5000 W					
Maximum continuous charging current	100 Ad.c.					
Maximum discharging power	5000 W					
Maximum continuous discharging current	100 Ad.c.					
AC input terminal parameters:						
Maximum input power	6000 W	7360 W	8000 W	9200 W	10000 W	10000 W
Rated input power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Rated input current	13 Aa.c.	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
Rated input voltage	230 Va.c., 50/60Hz, L/N/PE					
Maximum continuous input power	6000 W	7360 W	8000 W	9200 W	10000 W	10000 W
Maximum continuous input current	26.1 Aa.c.	32 Aa.c.	34.8 Aa.c.	40 Aa.c.	43.5 Aa.c.	43.5 Aa.c.
AC output rating						
Rated output voltage	230 Va.c., 50/60Hz, L/N/PE					
Rated output power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Rated output current	13 Aa.c.	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
Maximum continuous output power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Maximum continuous output current	13 Aa.c.	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
Power factor	0.8 leading – 0.8 lagging					
Back up load rating						
Rated output voltage	230 Va.c., 50/60Hz, L/N/PE					
Rated output power	3000 W	3680 W	4000 W	4600 W	5000 W	5000 W
Rated output current	13 Aa.c.	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Maximum output power	3000 W	3680 W	4000 W	4600 W	5000 W	5000 W
Maximum output current	13 Aa.c.	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
General						
Operating temperature range	-25°C~ 60°C (Derating above 40°C)					
Protective class	I					
Ingress protection	IP 66					
Operating altitude range	4000m（>2000m derating）					

Damon

Signature

Name: Damon Wang
Position: Team Leader
Date: 10 March 2025

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