

EU Declaration of Conformity

Within the meaning of the EU directives



- **Radio Equipment Directive 2014/53/EU (L 153/62-106, May 22, 2014) (RED)**

The subject matter of the declaration described below meet the requirements relating to Union harmonization legislation.

The inverter models equipped with the wireless communication modules Wi-Fi Stick are available in European market. The applied harmonized standards are listed in the following table.

	Solplanet	
	ASW8K-LT-G2 ASW10K-LT-G2	ASW12K-LT-G2, ASW15K-LT-G2 ASW17K-LT-G2, ASW20K-LT-G2
Health and safety (RED, Article 3.1.a)		
EN 62109-1:2010	✓	✓
EN 62109-2:2011	✓	✓
EN 62311:2020	✓	✓
Electromagnetic compatibility (RED, Article 3.1.b)		
EN 301489-1 V2.2.3	✓	✓
EN 301489-17 V3.2.4	✓	✓
EN 55011:2016+A2:2021	✓	✓
EN 62920:2017+A1:2021	✓	✓
EN 61000-6-1:2019	✓	✓
EN 61000-6-2:2019	✓	✓
EN 61000-6-3:2021	✓	✓
EN 61000-6-4:2019	✓	✓
EN 61000-3-2:2019+A1 :2021	✓	X
EN 61000-3-3:2013+A1:2019	✓	X
EN 61000-3-11:2019	X	✓
EN 61000-3-12:2011+AC:2013	X	✓
Effective exploitation of frequency range (RED, Article 3.2.)		
EN 300328 V2.2.2	✓	✓

✓ Standard applicable

X Standard not applicable

The last two digits of the year in which the CE marking was affixed: 22

Note:

The declaration of conformity is issued under the sole responsibility of the manufacturer. Without an explicit written confirmation by AISWEI Technology (Shanghai) Co., Ltd., this declaration of conformity is no longer valid if the product is modified, supplemented or changed in any other way and if components which are not part of the Solplanet accessory, are integrated in the product, as well as if the product is used or installed improperly.

Shanghai, 01/08/2022

AISWEI Technology (Shanghai) Co., Ltd.

Shengwen Wu
Shengwen Wu, Vice President

AISWEI Technology (Shanghai) Co., Ltd.

Room 905B, 757 Mengzi Road, Huangpu District, 200023 Shanghai, China

Tel: +86 512 6937 0998

Fax: +86 512 6937 3159



**BUREAU
VERITAS**

Certificate of compliance

Applicant: AISWEI Technology (Shanghai) Co., Ltd
Room 905B, 757 Mengzi Road, Huangpu District,
200023 Shanghai
P.R. China

Product: Photovoltaic (PV) inverter

Model: ASW30K-LT-G2
ASW33K-LT-G2
ASW36K-LT-G2
ASW40K-LT-G2
ASW45K-LT-G2
ASW50K-LT-G2
ASW40K-LT-G2 Pro
ASW45K-LT-G2 Pro
ASW50K-LT-G2 Pro

Inverter for three-phase parallel connection to the public grid. The network monitoring and disconnection device is an integral part of the above-mentioned model.

Applied rules and standards:

EN 50549-1:2019

Requirements for parallel connection of installations with distribution networks - Part 1: Connection to an LV distribution network - Production of installations up to and including Type B

- 4.4 Normal operating range
- 4.5 Immunity to disturbances
- 4.6 Active response to frequency deviation
- 4.7 Power response to voltage variations and voltage changes
- 4.8 EMC and power quality
- 4.9 Interface protection
- 4.10 Connection and starting to generate electrical power
- 4.11 Ceasing and reduction of active power on set point
- 4.13 Requirements regarding single fault tolerance of interface protection system and interface switch

DIN VDE V 0124-100:2020 (5.5.2.1 Functional safety of network and system protection)

Grid integration of generator plants - Low-voltage - Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks

Commission Regulation (EU) 2016/631 of 14 April 2016

Establishing a network code on requirements for grid connection of generators (NC RFG).

Type approval for generation units to use in Type A and Type B plants.

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: PV2206WDG0098-1

Certification Program: NSOP-0032-DEU-ZE-V01

Certificate number: U22-0438

Date of issue: 2022-07-13

Certification body

Alf ASSENKAMP



Certification body Bureau Veritas Consumer Products Services Germany GmbH accreditation to DIN EN ISO/IEC 17065

Testing laboratory accredited according to DIN EN ISO/IEC 17025

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH



BUREAU
VERITAS

Annex to the EN 50549-1 certificate of compliance No. U22-0438

Appendix

Extract from test report according to EN 50549-1

No. PV2206WDG0098-1

Type Approval and declaration of compliance with the requirements of EN 50549-1 and Commission Regulation (EU) 2016/631 of 14 April 2016

Manufacturer / applicant	AISWEI Technology (Shanghai) Co., Ltd Room 905B, 757 Mengzi Road, Huangpu District, 200023 Shanghai P.R. China
---------------------------------	---

Micro-generator Type	Photovoltaic inverter			
	ASW30K-LT-G2	ASW33K-LT-G2	ASW36K-LT-G2	ASW40K-LT-G2
MPP DC voltage range [V]	200-1000	200-1000	200-1000	200-1000
Max. Input DC voltage [V]	1100	1100	1100	1100
Input DC current [A]	3 * 26,0	3 * 26,0	3 * 26,0	4 * 26,0
Output AC voltage [V]	3/N/PE ~ 400, 50Hz	3/N/PE ~ 400, 50Hz	3/N/PE ~ 400, 50Hz	3/N/PE ~ 400, 50Hz
Output AC current [A]	50,0	55,0	60,0	66,7
Output power [kW]	30,0	33,0	36,0	40,0

	ASW45K-LT-G2	ASW50K-LT-G2	ASW40K-LT-G2 Pro	ASW45K-LT-G2 Pro
MPP DC voltage range [V]	200-1000	200-1000	200-1000	200-1000
Max. Input DC voltage [V]	1100	1100	1100	1100
Input DC current [A]	4 * 26,0	5 * 26,0	4 * 32,0	4 * 32,0
Output AC voltage [V]	3/N/PE ~ 400, 50Hz	3/N/PE ~ 400, 50Hz	3/N/PE ~ 400, 50Hz	3/N/PE ~ 400, 50Hz
Output AC current [A]	75,0	80,0	66,7	75,0
Output power [kW]	45,0	50,0	40,0	45,0

	ASW50K-LT-G2 Pro	--	--	--
MPP DC voltage range [V]	200-1000	--	--	--
Max. Input DC voltage [V]	1100	--	--	--
Input DC current [A]	5 * 32,0	--	--	--
Output AC voltage [V]	3/N/PE ~ 400, 50Hz	--	--	--
Output AC current [A]	80,0	--	--	--
Output power [kW]	50,0	--	--	--

Firmware version	Main DSP: V610-03038-04 Slave DSP: V610-60009-00
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Description of the structure of the power generation unit:

The power generation unit is equipped with a PV and line-side EMC filter. The power generation unit has no galvanic isolation between DC input and AC output. Output switch-off is performed with single-fault tolerance based on the inverter bridge and two series-connected relays in each line and neutral. This enables a safe disconnection of the power generation unit from the network in case of error.

Note:

The settings of the interface protection are password protected adjustable.
 In case the above stated generators are used with an external protection device, the protection settings of the inverters are to be adjusted according to the manufacturer's declaration.
 The above stated generators are tested according to the requirements in the EN 50549-1:2019 Commission Regulation (EU) 2016/631 of 14 April 2016. Any modification that affects the stated tests must be named by the manufacturer/supplier of the product to ensure that the product meets all requirements.

Certificate of Conformity

By the product certificate number:

No. 2622/0565-C-CER

Issued to:

License holder:

AISWEI Technology (Shanghai) Co., Ltd.
Room 905B, 757 Mengzi Road, Huangpu District,
200023 Shanghai, P.R. China

Trademark:



Manufacturer:

AISWEI New Energy Technology (YangZhong) Co., Ltd.
No. 588 Gangxing Road, Yangzhong, Zhenjiang, China

It is certified that the product:

Type of generating unit: Grid-connected PV Inverter

Models:

ASW25K-LT-G3 / ASW27K-LT-G3 / ASW30K-LT-G3 /
ASW33K-LT-G3 / ASW36K-LT-G3 / ASW40K-LT-G3

Technical Data:

Nominal power [W]	See page 2
Nominal voltage [V]	3/N/PE; 230 V / 400 V
Nominal frequency [Hz]	50 / 60
Firmware version	See page 2
Number of phases	Three Phases
Isolation Transformer	No

Is in compliance with the standard:

IEC 62116: 2014

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters.

This certificate is based upon the test results of the Test Report GZES220701316403

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-18 based on the requirements of the UNE-EN ISO / IEC 17065.

First issued on 11th January 2023

This certificate is valid until 11th January 2028

Madrid, 11th January 2023



Daniel Arranz Muñiz
Certification Manager



Full list of product references and nominal characteristics:

Product Model	ASW25K-LT-G3	ASW27K-LT-G3	ASW30K-LT-G3
Input (DC)			
Max.DC Voltage (V)	1100		
MPPT Voltage Range (V)	180 ~ 1000		
MPPT Full load voltage range (V)	450 ~ 850		
Max. input current (A)	32 / 32 / 32		
Output (AC)			
Rated active power (W)	25000	27000	30000
Max. apparent AC power (VA)	27500	29700	33000
Max. Output Current (A)	39.9	43.0	47.8
Nominal Grid Voltage (V)	3/N/PE, 230/400		
Nominal Frequency (Hz)	50 / 60		
General Data			
Firmware version	Master Firmware version: V610-03041-05 Slave Firmware version: V610-60009-00 Safety Firmware version: V610-11007-02		

Product Model	ASW33K-LT-G3	ASW36K-LT-G3	ASW40K-LT-G3
Input (DC)			
Max.DC Voltage (V)	1100		
MPPT Voltage Range (V)	180 ~ 1000		
MPPT Full load voltage range (V)	450 ~ 850		
Max. input current (A)	32 / 32 / 40		
Output (AC)			
Rated active power (W)	33000	36000	40000
Max. apparent AC power (VA)	36300	39600	44000
Max. Output Current (A)	52.6	57.4	63.8
Nominal Grid Voltage (V)	3/N/PE, 230/400		
Nominal Frequency (Hz)	50 / 60		
General Data			
Firmware version	Master Firmware version: V610-03041-05 Slave Firmware version: V610-60009-00 Safety Firmware version: V610-11007-02		



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50525327

Blatt *Sheet*
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>
Sandy Gong	01-Kese-CN21AQKR 001	23.12.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*
AISWEI New Energy Technology
(Jiangsu) Co., Ltd
No.198 Xiangyang Road
Suzhou
215011 Jiangsu
P.R. China

Fertigungsstätte *Manufacturing Plant*
AISWEI New Energy
Technology (Yangzhong) Co., Ltd
No. 588 Gangxing Road,
Yangzhong
Jiangsu
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

Type Designation	: ASW40K-LT-G3	ASW36K-LT-G3	11
V _{maxpv} [Vd.c.]	: 1100		
I _{scpv} [Ad.c.]	: 48/48/60		
MPP Voltage Range [Vd.c.]	: 180-1000		
Max. Input Current [Ad.c.]	: 32/32/40		
Overvoltage Category (OVC)	: II for PV		
Rated Output Voltage [Va.c.]	: 3N~ 400		
Rated Output Power [kW]	: 40	36	
Rated Output Frequency [Hz]	: 50/60		
Max. Output Current [Aa.c.]	: 63.8	57.4	
Power Factor	: 1(default), 0.80(d) to 0.80(g)		
Overvoltage Category (OVC)	: III for AC mains		

continued on page 0002

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ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
<http://www.tuv.com/safety> E-mail: markcheck@tuv.com
Fax: +49 221 806-3935



Weichun Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50525327

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
Sandy Gong

Unser Zeichen *Our Reference*
01-Kese-CN21AQKR 001

Ausstellungsdatum *Date of Issue*
23.12.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*

AISWEI New Energy Technology
(Jiangsu) Co., Ltd
No.198 Xiangyang Road
Suzhou
215011 Jiangsu
P.R. China

Fertigungsstätte *Manufacturing Plant*

AISWEI New Energy
Technology (Yangzhong) Co., Ltd
No. 588 Gangxing Road,
Yangzhong
Jiangsu
P.R. China

Prüfzeichen *Test Mark*



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Produktions-
überwachung

www.tuv.com
ID 1111247325

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

PV-Wechselrichter (Grid-connected PV Inverter)

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2

Type Designation	: ASW33K-LT-G3	ASW30K-LT-G3
V _{maxpv} [Vd.c.]	: 1100	
I _{scpv} [Ad.c.]	: 48/48/60	3 x 48
MPP Voltage Range [Vd.c.]	: 180-1000	
Max. Input Current [Ad.c.]	: 32/32/40	3 x 32
Overvoltage Category (OVC)	: II for PV	
Rated Output Voltage [Va.c.]	: 3N~ 400	
Rated Output Power [kW]	: 33	30
Rated Output Frequency [Hz]	: 50/60	
Max. Output Current [Aa.c.]	: 52.6	47.8
Power Factor	: 1(default), 0.80(d) to 0.80(g)	
Overvoltage Category (OVC)	: III for AC mains	

continued on page 0003

2

ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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Weichun Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50525327

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
Sandy Gong

Unser Zeichen *Our Reference*
01-Kese-CN21AQKR 001

Ausstellungsdatum *Date of Issue*
23.12.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*

AISWEI New Energy Technology
(Jiangsu) Co., Ltd
No.198 Xiangyang Road
Suzhou
215011 Jiangsu
P.R. China

Fertigungsstätte *Manufacturing Plant*

AISWEI New Energy
Technology (Yangzhong) Co., Ltd
No. 588 Gangxing Road,
Yangzhong
Jiangsu
P.R. China

Prüfzeichen *Test Mark*



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Produktions-
überwachung

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ID 1111247325

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0002 continuation

2

Type Designation	: ASW27K-LT-G3	ASW25K-LT-G3
V _{maxpv} [Vd.c.]	: 1100	
I _{scpv} [Ad.c.]	: 3 x 48	
MPP Voltage Range [Vd.c.]	: 180-1000	
Max. Input Current [Ad.c.]	: 3 x 32	
Overvoltage Category (OVC)	: II for PV	
Rated Output Voltage [Va.c.]	: 3N~ 400	
Rated Output Power [kW]	: 27	25
Rated Output Frequency [Hz]	: 50/60	
Max. Output Current [Aa.c.]	: 43.0	39.9
Power Factor	: 1(default), 0.80(d) to 0.80(g)	
Overvoltage Category (OVC)	: III for AC mains	

continued on page 0004

2

ANLAGE (Appendix): 1.0

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Weichun Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50525327

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0004

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Sandy Gong	01-Kese-CN21AQKR 001	23.12.2021	(day/mo/yr)

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(Jiangsu) Co., Ltd
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Suzhou
215011 Jiangsu
P.R. China

Fertigungsstätte *Manufacturing Plant*

AISWEI New Energy
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No. 588 Gangxing Road,
Yangzhong
Jiangsu
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

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Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0003 continuation

Protective Class : Class I
Ingress Protection (IP) : IP66
Pollution Degree (PD) : PD 3 (outside) PD2 (inside)
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter : Non-isolated

Remark(s):

The installation has to be carried out according to the attached installation instruction.
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

ANLAGE (Appendix): 1.0

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Zertifikat Nr. Certificate No.
R 50525327

Blatt Sheet
0005

Ihr Zeichen Client Reference
Sandy Gong

Unser Zeichen Our Reference
01-Jiangyi-CN21AQKR 002

Ausstellungsdatum
09.06.2022

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

AISWEI Technology (Shanghai)
Co., Ltd.
Room 905B,
757 Mengzi Road, Huangpu District
200023 Shanghai
P.R. China

Fertigungsstätte Manufacturing Plant

AISWEI New Energy
Technology (Yangzhong) Co., Ltd
No. 588 Gangxing Road,
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Jiangsu
P.R. China

Prüfzeichen Test Mark



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überwachung

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Geprüft nach Tested acc. to

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Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0004 continuation
Modification

Chang license holder to:
AISWEI Technology (Shanghai) Co., Ltd.
Room 905B, 757 Mengzi Road, Huangpu District, Shanghai

1

1

ANLAGE (Appendix): 1.0

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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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Fax: +49 221 806-3935



Zertifizierungsstelle

Weichun Li

EU Declaration of Conformity

Within the meaning of the EU directives



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The subject matter of the declaration described below meet the requirements relating to Union harmonization legislation.

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EN 301489-17 V3.2.4	✓
EN 55011:2016+A2:2021	✓
EN 62920:2016+A1:2021	✓
EN 61000-6-1:2019	✓
EN 61000-6-2:2019	✓
EN 61000-6-3:2021	✓
EN 61000-6-4:2019	✓
EN 61000-3-11:2019	✓
EN 61000-3-12:2011+AC:2013	✓
Effective exploitation of frequency range (RED, Article 3.2.)	
EN 300328 V2.2.2	✓

- ✓ Standard applicable
X Standard not applicable

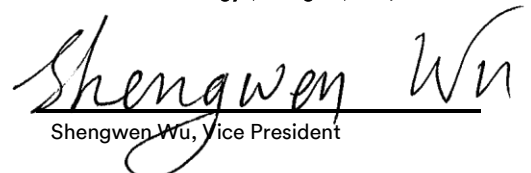
The last two digits of the year in which the CE marking was affixed: 22

Note:

The declaration of conformity is issued under the sole responsibility of the manufacturer. Without an explicit written confirmation by AISWEI Technology (Shanghai) Co., Ltd., this declaration of conformity is no longer valid if the product is modified, supplemented or changed in any other way and if components which are not part of the Solplanet accessory, are integrated in the product, as well as if the product is used or installed improperly.

Shanghai, 01/08/2022

AISWEI Technology (Shanghai) Co., Ltd.


Shengwen Wu, Vice President

AISWEI Technology (Shanghai) Co., Ltd.

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EU Declaration of Conformity

Within the meaning of the EU directives



- **Radio Equipment Directive 2014/53/EU (L 153/62-106, May 22, 2014) (RED)**

The subject matter of the declaration described below meet the requirements relating to Union harmonization legislation.

The inverter models equipped with the wireless communication modules Wi-Fi Stick are available in European market. The applied harmonized standards are listed in the following table.

Solplanet	
ASW30K-LT-G2, ASW33K-LT-G2	
ASW36K-LT-G2, ASW40K-LT-G2	
ASW45K-LT-G2, ASW50K-LT-G2	
Health and safety (RED, Article 3.1.a)	
EN 62109-1:2010	✓
EN 62109-2:2011	✓
EN 62311:2020	✓
Electromagnetic compatibility (RED, Article 3.1.b)	
EN 301489-1 V2.2.3	✓
EN 301489-17 V3.2.4	✓
EN 55011:2016+A2:2021	✓
EN 61000-6-1:2019	✓
EN 61000-6-2:2019	✓
EN 61000-6-3:2021	✓
EN 61000-6-4:2019	✓
EN 61000-3-11:2019	✓
EN 61000-3-12:2011+AC:2013	✓
Effective exploitation of frequency range (RED, Article 3.2.)	
EN 300328 V2.2.2	✓

- ✓ Standard applicable
X Standard not applicable

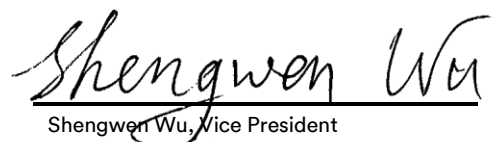
The last two digits of the year in which the CE marking was affixed: 22

Note:

The declaration of conformity is issued under the sole responsibility of the manufacturer. Without an explicit written confirmation by AISWEI Technology (Shanghai) Co., Ltd., this declaration of conformity is no longer valid if the product is modified, supplemented or changed in any other way and if components which are not part of the Solplanet accessory, are integrated in the product, as well as if the product is used or installed improperly.

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