

Certificate of Conformity

By the product certificate number:

No. 2621/0275-C-E1-CER

Issued to:

License holder:

AISWEI Technology 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: **PV Grid-tied Inverter**

Models:

ASW20K-LT-G2 / ASW17K-LT-G2 / ASW15K-LT-G2 / ASW13K-LT-G2 / ASW12K-LT-G2 / ASW10K-LT-G2 / ASW8K-LT-G2

Technical Data:

Nominal power [W]	See page 2
Nominal voltage [V]	400 (3~N/PE)
Nominal frequency [Hz]	50 Hz / 60 Hz
Firmware version	E1.00
Number of phases	Three Phases
Isolation Transformer	No

Is in compliance with the standard:

IEC 61683:1999.

Photovoltaic systems. Power conditioners. Procedure for measuring efficiency.

This certificate is based upon the test results of the Test Report GZES230300477803.

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-33 based on the requirements of the UNE-EN ISO / IEC 17065.

This certificate supersedes certificate nº 2621/0275-C-CER.

First issued on 25th April 2023

This certificate is valid until 17th September 2024

Madrid, 25th April 2023

Daniel Arranz Muñiz
Certification Manager



Full list of product references and nominal characteristics:

Product Model	ASW20K-LT-G2	ASW17K-LT-G2	ASW15K-LT-G2	ASW13K-LT-G2
Input (DC)				
Max.DC Voltage (V)	1100			
Rated input voltage (V)	630			
MPPT Voltage Range (V)	150 ~ 1000			
Max. input current per MPPT (A)	26 + 26			
Output (AC)				
Max AC Output power (kVA)	20	17	15	13
Rated AC Output power (kW)	20	17	15	12
Rated AC Output Current (A)	29.0	24.6	21.7	18.8
Nominal Grid Voltage (V)	400 (3~/N/PE)			
Nominal Frequency (Hz)	50 / 60			

Product Model	ASW12K-LT-G2	ASW10K-LT-G2	ASW8K-LT-G2
Input (DC)			
Start-up input voltage (V)	180		
Rated input voltage (V)	630		
MPPT Voltage Range (V)	150 ~ 1000		
Max. input current per MPPT (A)	26 + 26	26 + 13	
Output (AC)			
Max AC Output power (kVA)	12	10	8
Rated AC Output power (kW)	12	10	8
Rated AC Output Current (A)	17.4	14.5	11.6
Nominal Grid Voltage (V)	400 (3~/N/PE)		
Nominal Frequency (Hz)	50 / Hz		



Summary of efficiency results measured for the tested models:

These efficiency results are representatives for the referred models with a testing frequency of 50Hz.

ASW20K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	96.8%	97.1%	97.3%	97.1%	96.0%
Nominal input voltage ⁽²⁾	98.1%	98.3%	98.4%	98.3%	97.0%
90% of the maximum rated input voltage ⁽³⁾	97.4%	97.6%	97.6%	97.3%	95.5%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V

ASW17K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.1%	97.3%	97.4%	96.9%	95.5%
Nominal input voltage ⁽²⁾	98.2%	98.3%	98.4%	98.2%	97.0%
90% of the maximum rated input voltage ⁽³⁾	97.5%	97.3%	97.3%	96.7%	9.2%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V

ASW15K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.2%	97.4%	97.3%	96.7%	95.1%
Nominal input voltage ⁽²⁾	98.3%	98.4%	98.4%	97.8%	96.3%
90% of the maximum rated input voltage ⁽³⁾	97.6%	97.6%	97.6%	96.5%	93.9%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V

ASW13K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.3%	97.4%	97.3%	96.6%	94.9%
Nominal input voltage ⁽²⁾	98.3%	98.4%	98.4%	97.6%	95.9%
90% of the maximum rated input voltage ⁽³⁾	97.6%	97.6%	97.5%	96.6%	92.9%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V

ASW12K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.4%	97.4%	97.3%	96.5%	94.5%
Nominal input voltage ⁽²⁾	98.4%	98.4%	98.3%	97.5%	95.6%
90% of the maximum rated input voltage ⁽³⁾	97.6%	97.6%	97.4%	96.5%	93.5%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V

ASW10K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.4%	97.4%	97.1%	96.2%	94.1%
Nominal input voltage ⁽²⁾	98.4%	98.4%	98.3%	97.3%	94.9%
90% of the maximum rated input voltage ⁽³⁾	97.6%	97.6%	97.3%	96.1%	92.2%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V

ASW8K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.4%	97.3%	96.9%	95.9%	93.6%
Nominal input voltage ⁽²⁾	98.4%	98.3%	98.1%	97.4%	94.2%
90% of the maximum rated input voltage ⁽³⁾	97.6%	97.4%	96.9%	95.3%	90.7%

⁽¹⁾ 400 V; ⁽²⁾ 630 V; ⁽³⁾ 850 V



Summary of efficiency results measured for the tested models:

These efficiency results are representatives for the referred models with a testing frequency of 60Hz.

ASW20K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	96.9%	97.1%	97.4%	97.2%	96.0%
Nominal input voltage ⁽²⁾	97.9%	98.0%	98.2%	98.1%	96.9%
90% of the maximum rated input voltage ⁽³⁾	97.3%	97.6%	97.5%	97.3%	95.8%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW17K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.0%	97.3%	97.4%	96.6%	95.5%
Nominal input voltage ⁽²⁾	98.0%	98.2%	98.4%	98.0%	97.1%
90% of the maximum rated input voltage ⁽³⁾	97.1%	97.3%	97.5%	96.4%	94.5%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW15K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.0%	97.6%	97.2%	96.5%	95.2%
Nominal input voltage ⁽²⁾	97.8%	98.2%	98.3%	97.9%	96.2%
90% of the maximum rated input voltage ⁽³⁾	97.5%	97.6%	97.6%	96.4%	94.0%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW13K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.2%	97.4%	97.1%	96.6%	94.8%
Nominal input voltage ⁽²⁾	98.2%	98.3%	98.4%	97.7%	96.0%
90% of the maximum rated input voltage ⁽³⁾	97.1%	97.2%	97.1%	97.0%	93.0%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW12K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.3%	97.4%	97.4%	96.4%	94.5%
Nominal input voltage ⁽²⁾	98.2%	98.2%	98.3%	97.9%	95.8%
90% of the maximum rated input voltage ⁽³⁾	97.3%	97.5%	97.6%	96.7%	93.5%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW10K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.2%	97.4%	97.0%	96.0%	94.5%
Nominal input voltage ⁽²⁾	98.1%	98.4%	98.4%	97.2%	95.2%
90% of the maximum rated input voltage ⁽³⁾	97.2%	97.2%	97.4%	96.5%	92.5%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW8K-LT-G2					
Test condition	100%Sn	75%Sn	50%Sn	25%Sn	10%Sn
Minimum rated input voltage ⁽¹⁾	97.3%	97.5%	96.8%	96.3%	94.0%
Nominal input voltage ⁽²⁾	98.1%	98.3%	98.4%	97.3%	94.5%
90% of the maximum rated input voltage ⁽³⁾	96.9%	97.2%	96.5%	94.9%	91.1%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾850 V

