

Certificate of Conformity

By the product certificate number:

No. 2623/0042-3-B-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: **Grid-connected PV Inverter**

Models:	ASW75K-LT	ASW80K-LT	ASW100K-LT	ASW110K-LT
Technical Data:				
Nominal power [W]	75000	80000	100000	110000
Nominal voltage [V]	3/N/PE; 230 V / 400 V			
Nominal frequency [Hz]	50 / 60			
Firmware version	Master Firmware version: V610-04001-02 Safety Firmware version: V610-12001-00			
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 GZES230100085502.

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.

First issued on 22nd February 2023

This certificate is valid until 22nd February 2028

Madrid, 22nd February 2023

Daniel Arranz Muñiz
Certification Manager



Summary efficiency results measured for the tested models:

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

Power conditioner type – Grid Connected

ASW75K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	94.0%	96.3%	97.2%	97.6%	97.8%
Nominal input voltage ⁽²⁾	94.7%	97.8%	98.5%	98.8%	98.8%
90% of the maximum rated input voltage ⁽³⁾	92.7%	96.5%	97.7%	98.0%	98.0%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW80K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	94.5%	96.6%	97.5%	97.8%	97.8%
Nominal input voltage ⁽²⁾	95.3%	97.7%	98.6%	98.7%	98.8%
90% of the maximum rated input voltage ⁽³⁾	92.7%	96.5%	97.7%	98.0%	98.0%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW100K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	94.9%	96.9%	97.7%	97.8%	97.8%
Nominal input voltage ⁽²⁾	95.9%	98.0%	98.8%	98.8%	98.7%
90% of the maximum rated input voltage ⁽³⁾	94.0%	96.9%	97.8%	98.0%	98.0%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW110K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.4%	97.0%	97.7%	97.8%	97.7%
Nominal input voltage ⁽²⁾	96.4%	98.0%	98.8%	98.8%	98.8%
90% of the maximum rated input voltage ⁽³⁾	93.3%	96.6%	97.9%	98.0%	98.0%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V



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

Power conditioner type – Grid Connected

ASW75K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	93.9%	96.1%	97.1%	97.5%	97.7%
Nominal input voltage ⁽²⁾	94.6%	97.6%	98.4%	98.7%	98.7%
90% of the maximum rated input voltage ⁽³⁾	92.5%	96.4%	97.6%	97.9%	97.9%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW80K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	94.4%	96.5%	97.4%	97.7%	97.7%
Nominal input voltage ⁽²⁾	95.2%	97.6%	98.6%	98.6%	98.7%
90% of the maximum rated input voltage ⁽³⁾	92.5%	96.4%	97.6%	97.9%	97.9%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW100K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	94.8%	96.8%	97.6%	97.7%	97.7%
Nominal input voltage ⁽²⁾	95.9%	97.8%	98.6%	98.7%	98.6%
90% of the maximum rated input voltage ⁽³⁾	93.7%	96.8%	97.7%	97.9%	97.9%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

ASW110K-LT					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.2%	96.9%	97.6%	97.7%	97.6%
Nominal input voltage ⁽²⁾	96.2%	97.9%	98.7%	98.7%	98.7%
90% of the maximum rated input voltage ⁽³⁾	93.3%	96.5%	97.8%	98.0%	98.0%

⁽¹⁾ 460 V; ⁽²⁾630 V; ⁽³⁾850 V

