

Certificate of Conformity

By the product certificate number:

No. 2622/0367-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:

ASW50K-LT-G2 Pro / ASW45K-LT-G2 Pro / ASW40K-LT-G2 Pro / ASW50K-LT-G2 / ASW45K-LT-G2 / ASW40K-LT-G2 / ASW36K-LT-G2 / ASW33K-LT-G2 / ASW30K-LT-G2

Technical Data:

Nominal power [W] **See page 2**

Nominal voltage [V] **230 / 400**

Nominal frequency [Hz] **50 / 60**

Firmware version

**Master Firmware version: V610-03038-04
Slave Firmware version: V610-60009-00
Safety Firmware version: V610-11004-02**

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 GZES220701399803

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 25th August 2022

This certificate is valid until 25th August 2027

Madrid, 25th August 2022

Daniel Arranz Muñiz
Certification Manager



Full list of product references and nominal characteristics:

Product Model	ASW30K-LT-G2	ASW33K-LT-G2	ASW36K-LT-G2
Input (DC)			
Max.DC Voltage (V)	1100		
MPPT Voltage Range (V)	200 ~ 1000		
Full load DC voltage range (V)	400 ~ 935	440 ~ 935	470 ~ 935
Max. input current (A)	3*26		
Output (AC)			
Rated active power (W)	30000	33000	36000
Max. apparent AC power (VA)	30000	33000	36000
Max. Output Current (A)	43.5	47.8	52.2
Nominal Grid Voltage (V)	230 / 400 (3 /N/PE)		
Nominal Frequency (Hz)	50 / 60		

Product Model	ASW40K-LT-G2	ASW45K-LT-G2	ASW50K-LT-G2
Input (DC)			
Max.DC Voltage (V)	1100		
MPPT Voltage Range (V)	200 ~ 1000		
Full load DC voltage range (V)	400 ~ 935	440 ~ 935	400 ~ 935
Max. input current (A)	3*26		
Output (AC)			
Rated active power (W)	40000	45000	50000
Max. apparent AC power (VA)	40000	45000	50000
Max. Output Current (A)	58.0	65.2	72.5
Nominal Grid Voltage (V)	230 / 400 (3 /N/PE)		
Nominal Frequency (Hz)	50 / 60		

Product Model	ASW40K-LT-G2 Pro	ASW45K-LT-G2 Pro	ASW50K-LT-G2 Pro
Input (DC)			
Max.DC Voltage (V)	1100		
MPPT Voltage Range (V)	200 ~ 1000		
Full load DC voltage range (V)	400 ~ 935	400 ~ 935	400 ~ 935
Max. input current (A)	4*32		5*32
Output (AC)			
Rated active power (W)	40000	45000	50000
Max. apparent AC power (VA)	40000	45000	50000
Max. Output Current (A)	58.0	65.2	72.5
Nominal Grid Voltage (V)	230 / 400 (3 /N/PE)		
Nominal Frequency (Hz)	50 / 60		



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

ASW30K-LT-G2					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.2%	96.9%	97.2%	97.0%	96.7%
Nominal input voltage ⁽²⁾	96.4%	97.8%	98.0%	97.9%	97.7%
90% of the maximum rated input voltage ⁽³⁾	94.1%	96.4%	97.1%	97.2%	97.1%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW33K-LT-G2					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.8%	97.0%	97.4%	97.2%	96.4%
Nominal input voltage ⁽²⁾	96.4%	97.7%	97.8%	97.8%	97.7%
90% of the maximum rated input voltage ⁽³⁾	93.9%	96.7%	97.1%	97.2%	96.8%

⁽¹⁾ 440 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW36K-LT-G2					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	96.2%	97.4%	97.4%	97.2%	97.3%
Nominal input voltage ⁽²⁾	96.7%	97.8%	98.0%	97.8%	97.8%
90% of the maximum rated input voltage ⁽³⁾	94.3%	96.6%	97.2%	97.3%	96.8%

⁽¹⁾ 470 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW40K-LT-G2					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.5%	96.8%	97.1%	96.8%	96.1%
Nominal input voltage ⁽²⁾	96.7%	97.7%	97.9%	97.8%	97.7%
90% of the maximum rated input voltage ⁽³⁾	94.7%	96.7%	97.1%	97.2%	96.8%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW45K-LT-G2					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	96.0%	97.2%	97.2%	97.2%	96.4%
Nominal input voltage ⁽²⁾	96.9%	97.8%	97.9%	98.1%	97.3%
90% of the maximum rated input voltage ⁽³⁾	95.0%	96.8%	97.1%	97.0%	96.8%

⁽¹⁾ 440 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW50K-LT-G2					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.8%	97.0%	97.1%	96.5%	96.4%
Nominal input voltage ⁽²⁾	96.8%	97.8%	97.8%	97.8%	97.7%
90% of the maximum rated input voltage ⁽³⁾	95.2%	96.7%	97.1%	97.2%	96.8%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾1000 V



Cont.:

ASW40K-LT-G2 Pro					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.6%	97.2%	97.3%	97.1%	97.1%
Nominal input voltage ⁽²⁾	97.2%	97.8%	98.0%	97.9%	97.8%
90% of the maximum rated input voltage ⁽³⁾	94.9%	96.8%	97.3%	97.1%	97.1%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW45K-LT-G2 Pro					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	96.2%	97.3%	97.4%	97.2%	97.1%
Nominal input voltage ⁽²⁾	96.7%	97.8%	98.0%	98.1%	97.6%
90% of the maximum rated input voltage ⁽³⁾	95.2%	96.9%	97.2%	97.3%	97.1%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾1000 V

ASW50K-LT-G2 Pro					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	97.4%	97.8%	97.6%	97.2%	96.9%
Nominal input voltage ⁽²⁾	97.6%	98.7%	98.4%	98.0%	97.7%
90% of the maximum rated input voltage ⁽³⁾	95.1%	97.1%	97.3%	97.2%	97.0%

⁽¹⁾ 400 V; ⁽²⁾630 V; ⁽³⁾1000 V

