



# ATTESTATION

## of conformity with European Directives

**BV LCIE CHINA Number** N°2466AB12BVKJ58081  
**Product** Grid-Connected Hybrid Inverter  
**Reference** ASW015K-TH, ASW020K-TH, ASW025K-TH, ASW29.9K-TH, ASW030K-TH  
**Trademark** Solplanet  
**Issued to** AISWEI Technology Co., Ltd.  
**Address** Room 302-1, Unit 015, No.468 Zhongshan South FirstRoad, Huangpu District, Shanghai  
**Manufacturer** AISWEI Technology Co., Ltd.  
**Address** Room 302-1, Unit 015, No.468 Zhongshan South FirstRoad, Huangpu District, Shanghai  
**Technical characteristics** Refer to page 2

The submitted sample of the above equipment has been tested according to following European Directive and following standards:

**Electromagnetic Compatibility Directive 2014/30/EU**

<i>Standards</i>	<i>Report number</i>	<i>Report date</i>
EN 62920:2017, EN 62920:2017+A1:2021, EN 62920:2017+A11:2020 EN 61000-6-3:2007+A1:2011+AC:2012, EN IEC 61000-6-3:2021 EN 61000-6-1:2007, EN IEC 61000-6-1:2019 EN 61000-6-4:2007+A1:2011, EN IEC 61000-6-4:2019 EN 61000-6-2:2005+AC:2005, EN IEC 61000-6-2:2019 EN 55011:2016+A1:2017, EN 55011:2016+A11:2020, EN 55011:2016+A2:2021 EN 61000-3-11:2000, EN IEC 61000-3-11:2019 EN 61000-3-12:2011 EN 61000-2-2:2002+A1:2017, EN 61000-2-2:2002+A2:2019	BVKJ-ESH-P24091456B	06/01/2025

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product

**Shanghai (P.R. China), Jan.6, 2025.**

**EMC Project Manager**

Wen ZHU

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**BUREAU  
VERITAS**

**Technical Data:**

Technical Datasheet		ASW015K-TH	ASW020K-TH	ASW025K-TH	ASW29 9K-TH	ASW030K-TH
PV input	Max. PV array power	30000 Wp	40000 Wp	50000 Wp	59800 Wp	60000 Wp
	Max. input voltage	1000 V				
	MPP voltage range / rated input voltage	150 V to 950 V / 630 V				
	Min. input voltage / start voltage	95 V / 180 V				
	No. of independent MPPT trackers / strings per MPPT input	4 / 1		4 / 2		
	Max. input current / Max. power per MPP tracker	20 A / 15000 W	20 A / 15000 W	40 A / 25000 W	40 A / 25000 W	40 A / 25000 W
Battery input	Max. short-circuit current per MPP tracker	25 A			50 A	
	Battery voltage range	120 V to 800 V				
	Max. charge power from PV and AC side	30000 W	40000 W	50000 W	59800 W	60000 W
	Max. charge power from AC side	15000 W	20000 W	25000 W	29900 W	30000 W
	Max. discharge power	15000 W	20000 W	25000 W	29900 W	30000 W
	Max. charge / discharge current	50 A			100 A	
AC input	No. of independent battery inputs	1		2		
	Battery type	LiFePO4				
	Nominal AC voltage	3/N/PE, 220 V / 380 V 3/N/PE, 230 V / 400 V 3/N/PE, 240 V / 415 V				
	Rated grid frequency	50 Hz / 60 Hz				
	Max. input power from grid	30000 W	40000 W	50000 W	50000 W	50000 W
	Max. input current from grid	43.5 A	58.0 A	72.5 A	72.5 A	72.5 A
AC output	Nominal AC voltage	3/N/PE, 220 V / 380 V 3/N/PE, 230 V / 400 V 3/N/PE, 240 V / 415 V				
	AC voltage range	270 V to 480 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	AC grid frequency range	45-55 Hz / 55-65 Hz				
	Rated apparent power	15000 VA	20000 VA	25000 VA	29900 VA	30000 VA
	Max. apparent power	15000 VA	20000 VA	25000 VA	29900 VA	30000 VA
	Rated grid output current (@400V)	21.7 A	29.0 A	36.2 A	43.3 A	43.4 A
	Max. grid output current	23.9 A	31.9 A	39.8 A	47.6 A	47.8 A
	Power factor at rated power / adjustable range	1 / 0.8 leading to 0.8 lagging				
	Harmonics THDi (@ Nominal power)	< 3% (of nominal power)				
EPS output	Nominal AC voltage	3/N/PE, 220 V / 380 V 3/N/PE, 230 V / 400 V 3/N/PE, 240 V / 415 V				
	Nominal output frequency	50 Hz/60 Hz				
	Rated apparent power	15000 VA	20000 VA	25000 VA	29900 VA	30000 VA
	Max. apparent power (@400 V, continuous on-grid)	16500 VA	22000 VA	27500 VA	32890 VA	33000 VA
	Rated current (@400V)	21.7 A	29.0 A	36.2 A	43.3 A	43.4 A
	Max. current (@400 V, continuous on-grid / off-grid)	23.9 A	31.9 A	39.8 A	47.6 A	47.8 A
	Max. power on each phase (@400 V, continuous on-grid / off-grid)	5500 W	7333 W	9166 W	10963 W	11000 W
	Peak output apparent power (off-grid up to 10s)	30000 VA	40000 VA	45000 VA	45000 VA	45000 VA
Efficiency	Max. switch time	< 10 ms				
	Output THDv (@ Linear load)	2%				
	MPPT efficiency	99.90%				
	European efficiency / Max. efficiency	97.2% / 98.0%			97.9% / 98.4%	
Safety protection	DC / AC surge protection (Type II, according to EN/IEC 61643-11)	● / ○				
	Insulation resistance detection	●				
	PV string input reverse polarity protection	●				
	Battery input reverse polarity protection	●				
	Ground fault monitoring	●				
	Residual current monitoring unit	●				
	AC short circuit protection	●				
	Anti-islanding protection	●				
General data	Supported grid types	TN-S, TN-C, TN-C-S, TT				
	Dimensions (W / H / D)	769 mm / 491 mm / 285 mm				
	Weight	52.0 kg		58.0 kg		
	Colour	● Morandi blue / ● Earl red / ● Scandinavian grey				
	Operating temperature range	-30 °C ~ +60 °C				
	Cooling concept	Smart cooling				
	Degree of protection (as per IEC 60529)	IP66				
Features	Max. relative humidity	100%				
	Max. operating altitude	4000 m				
	User interface	LED & APP				
	BMS interface	CAN				
	Communication Interfaces	Dongle, WiFi (2.4 GHz) / LAN (100 Mbps) Inverter: RS485 (Modbus RTU), Sunspec RTU, LAN (100 Mbps, Modbus TCP only)				
	Digital output (dry contact) / No. of outputs	● / 3				
Digital input (dry contact) / No. of inputs	● / 7					
Integrated power control / export power control	● / ●					

● standard features ○ optional features - not available