



ATTESTATION

of conformity with European Directives

BV LCIE CHINA Number N°2566AB01BVKJ58341
Product Grid-Connected Hybrid Inverter
Reference ASW015K-TH-N, ASW020K-TH-N, ASW025K-TH-N, ASW29.9K-TH-N,
ASW030K-TH-N
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-P25010708B	16/01/2025

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.16, 2025.

EMC Project Manager

Wen ZHU

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**BUREAU
VERITAS**

Technical Data:

Technical Datasheet		ASW015K-TH-N	ASW020K-TH-N	ASW025K-TH-N	ASW29.9K-TH-N	ASW030K-TH-N
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		
Battery input	Max. input current / Max. power per MPP tracker	20 A / 15000 W	20 A / 15000W	40 A / 25000 W	40 A / 25000 W	40 A / 25000 W
	Max. short-circuit current per MPP tracker	25 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	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				
AC output	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
	Nominal AC voltage	3/N/PE, 220 V / 380 V 3/N/PE, 230 V / 400 V 3/N/PE, 240 V / 415 V 270 V to 480 V				
EPS output	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)				
	Efficiency	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
Safety protection	Max. switch time	< 10 ms				
	Output THDv (@ Linear load)	2%				
	MPPT efficiency	99.90%				
General data	European efficiency / Max. efficiency	97.2 % / 98.0 %				97.9 % / 98.4 %
	DC / AC surge protection (Type II, according to EN/IEC 61643-11)	● / ○				
Features	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	●				
	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			
Safety protection	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				
	Max. relative humidity	100%				
	Max. operating altitude	4000 m				
	User interface	LED & APP				
Features	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