



Product Service

# CERTIFICATE

No. Z2 099678 0011 Rev. 00

**Holder of Certificate:** **AISWEI New Energy Technology  
(Yangzhong) Co., Ltd.**

No.588 Gangxing Road  
Economic Development Zone  
212200 Yangzhong  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** **Energy Storage System  
Single phase all in one hybrid energy  
storage system**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092304901-00

**Valid until:** 2028-05-22

**Date,** 2023-06-13

( Zhengdong Ma )

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**Model(s):**

ASW0400/1250A-S, ASW0600/1250A-S, ASW0800/1250A-S,  
ASW1000/1250A-S, ASW0400/2500A-S, ASW0600/2500A-S,  
ASW0800/2500A-S, ASW1000/2500A-S

**Parameters:**

Model	ASW0400/1250A-S	ASW0600/1250A-S	ASW0800/1250A-S	ASW1000/1250A-S
<b>PV input rating</b>				
Max. PV input power	800Wp	1600Wp	1600Wp	1600Wp
Max. PV input voltage	d.c.50V			
MPPT voltage range	d.c.16V-50V			
Max. PV input current	d.c.26A	d.c.26A*2	d.c.26A*2	d.c.26A*2
Isc PV(absolute maximum)	d.c.39A	d.c.39A*2	d.c.39A*2	d.c.39A*2
<b>Battery rating</b>				
Cell type	LFP			
Rated capacity	27Ah			
Total energy	1.3kWh			
<b>Grid output rating</b>				
Rated grid voltage	1/N/PE AC 220V, 1/N/PE AC 230V, 1/N/PE AC 240V			
Rated grid frequency	50/60 Hz			
Rated grid output apparent power	400VA	600VA	800VA	1000VA
Max. grid output apparent power	400VA	600VA	800VA	1000VA
Max. grid output current	1.8 A	2.6 A	3.5 A	4.4 A



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Grid input rating	
Rated grid voltage	1/N/PE AC 220V, 1/N/PE AC 230V, 1/N/PE AC 240V
Rated grid frequency	50/60 Hz
Max. grid input apparent power	1000VA
Max. grid input current	4.4 A
General parameter	
Power factor	0.8ind...0.8cap
Inverter topology	Isolated
Ingress protection	IP54
Operating temperature range	-15 °C ... +45 °C
Protect class	Class I
Overvoltage category	II(PV), III(MAINS)

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Model	ASW0400/2500A -S	ASW0600/2500A -S	ASW0800/2500A -S	ASW1000/2500A -S
PV input rating				
Max. PV input power	800Wp	1600Wp	1600Wp	1600Wp
Max. PV input voltage	d.c.50V			
MPPT voltage range	d.c.16V-50V			
Max. PV input current	d.c.26A	d.c.26A*2	d.c.26A*2	d.c.26A*2
Isc PV(absolute maximum)	d.c.39A	d.c.39A*2	d.c.39A*2	d.c.39A*2
Battery rating				
Cell type	LFP			
Rated capacity	50Ah			
Total energy	2.4kWh			
Grid output rating				
Rated grid voltage	1/N/PE AC 220V, 1/N/PE AC 230V, 1/N/PE AC 240V			
Rated grid frequency	50/60 Hz			
Rated grid output apparent power	400VA	600VA	800VA	1000VA
Max. grid output apparent power	400VA	600VA	800VA	1000VA
Max. grid output current	1.8 A	2.6 A	3.5 A	4.4 A



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Grid input rating	
Rated grid voltage	1/N/PE AC 220V, 1/N/PE AC 230V, 1/N/PE AC 240V
Rated grid frequency	50/60 Hz
Max. grid input apparent power	1000VA
Max. grid input current	4.4 A
General parameter	
Power factor	0.8ind...0.8cap
Inverter topology	Isolated
Ingress protection	IP54
Operating temperature range	-15 °C ... +45 °C
Protect class	Class I
Overvoltage category	II(PV), III(MAINS)

**Tested  
according to:**

EN 62109-1:2010  
IEC 62109-1:2010  
EN 62109-2:2011  
IEC 62109-2:2011