



Product Service

# Attestation of Conformity

No. E8A 123414 0002 Rev. 00

**Holder of Attestation:** **Zhejiang Wolong Energy Storage System Co.,Ltd**

No.1801, Renmin W.R, Shangyu  
312300 Shaoxing City, Zhejiang Province  
PEOPLE'S REPUBLIC OF CHINA

**Name of Object:** **Converter  
(Hybrid inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772223095601B

**Date,** 2023-11-30

( Tony Liu )

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

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**Model(s):** WL ELSS-3680, WL ELSS-4000, WL ELSS-4600, WL ELSS-5000, WL ELSS-6000

## Description of Object:

Model	WL ELSS-3680	WL ELSS-4000	WL ELSS-4600	WL ELSS-5000	WL ELSS-6000
<b>PV terminal parameters</b>					
Rated input voltage	360 Vd.c.	360 Vd.c.	360 Vd.c.	360 Vd.c.	360 Vd.c.
Vmax. PV	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT voltage range	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.
MPPT voltage range (full load)	250-520 Vd.c.	250-520 Vd.c.	250-520 Vd.c.	250-520 Vd.c.	250-520 Vd.c.
Max. continuous PV input current	16 Ad.c. x 2	16 Ad.c. x 2	16 Ad.c. x 2	16 Ad.c. x 2	16 Ad.c. x 2
Isc PV	20 Ad.c. x 2	20 Ad.c. x 2	20 Ad.c. x 2	20 Ad.c. x 2	20 Ad.c. x 2
Max. continuous PV input power	8000W	9000W	9000W	9000W	9000W
<b>Battery terminal parameter</b>					
Battery type	Lithium ion battery	Lithium ion battery	Lithium ion battery	Lithium ion battery	Lithium ion battery
Rated voltage	51.2 Vd.c.	51.2 Vd.c.	51.2 Vd.c.	51.2 Vd.c.	51.2 Vd.c.
Battery voltage range	42-60 Vd.c.	42-60 Vd.c.	42-60 Vd.c.	42-60 Vd.c.	42-60 Vd.c.
Maximum charging current	100 Ad.c.	100 Ad.c.	100 Ad.c.	100 Ad.c.	100 Ad.c.
Maximum charging power	5000 W	5000 W	5000 W	5000 W	5000 W
Maximum discharging current	100 Ad.c.	100 Ad.c.	100 Ad.c.	100 Ad.c.	100 Ad.c.
Maximum discharging power	5000 W	5000 W	5000 W	5000 W	5000 W
<b>Grid terminal input rating</b>					
Nominal input voltage	230 Va.c., L+N+PE				
Nominal grid frequency	50/60Hz				
Nominal input power	3680 W	4000 W	4600 W	5000 W	6000 W
Nominal input current	16Aa.c.	17.4Aa.c.	20Aa.c.	21.7 Aa.c.	26 Aa.c.
Max. input apparent power	7360VA	8000VA	9200VA	10000VA	11000VA
Max. input current	32 Aa.c.	34.8 Aa.c.	40 Aa.c.	43.5 Aa.c.	47.8 Aa.c.
<b>Grid terminal output rating</b>					
Nominal output voltage	230 Va.c., L+N+PE				
Nominal output frequency	50/60Hz				
Nominal output current	16Aa.c.	17.4Aa.c.	20Aa.c.	21.7 Aa.c.	26 Aa.c.
Max. output current	16Aa.c.	17.4Aa.c.	20Aa.c.	21.7 Aa.c.	26 Aa.c.
Nominal output active power	3680W	4000W	4600W	4999W	6000W
Power factor	0.8 leading to 0.8 lagging				
<b>Backup load terminal parameter</b>					
Nominal output voltage	230 Va.c., L+N+PE				
Nominal output frequency	50/60Hz				

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Nominal output current	16Aa.c.	17.4Aa.c.	20 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Maximum output current	16Aa.c.	17.4Aa.c.	20 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Nominal output active power	3680W	4000W	4600W	5000W	5000W
Nominal output apparent power	3680VA	4000VA	4600VA	5000VA	5000VA
General parameter					
Ingress protection	IP66				
Operating temperature range	-25~60°C (Auto derating above 40°C)				
Protection class	I				
Operating altitude range	≤ 3000 m				

**Tested according to:**

EN IEC 61000-6-1:2019  
EN IEC 61000-6-3:2021

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