



Product Service

Attestation of Conformity

No. N8A 123414 0004 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

Product: **Converter
(Hybrid inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment 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

Test report no.: 64290233177901

Date, 2023-11-30

(Billy Qiu)

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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.



TUV®



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

Parameters:

Model	WL ELSS-3680	WL ELSS-4000	WL ELSS-4600	WL ELSS-5000	WL ELSS-6000
PV terminal parameters					
Rated input voltage	360 Vd.c.				
Vmax. PV	600 Vd.c.				
MPPT voltage range	100~550 Vd.c.				
MPPT voltage range (full load)	250~520 Vd.c.				
Max. continuous PV input current	16 Ad.c. x 2	16 Ad.c. x 2	16 Ad.c. x 2	16Ad.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	8000 W	9000 W	9000 W	9000 W	9000 W
Battery terminal parameter					
Battery type	Lithium ion battery				
Rated voltage	51.2 Vd.c.				
Battery voltage range	42~60 Vd.c.				
Maximum charging current	100 Ad.c.				
Maximum charging power	5000 W				
Maximum discharging current	100 Ad.c.				
Maximum discharging power	5000 W				
Grid terminal input rating					
Nominal input voltage	230 Va.c., L+N+PE				
Nominal grid frequency	50/6 0Hz				
Max. input apparent power	7360 VA	8000 VA	9200 VA	10000 VA	11000 VA
Max. input current	32 Aa.c.	34.8 Aa.c.	40 Aa.c.	43.5 Aa.c.	47.8 Aa.c.
Grid terminal output rating					
Nominal output voltage	230 Va.c., L+N+PE				
Nominal output frequency	50/60 Hz				
Nominal output current	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	26 Aa.c.
Max. output current	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	26 Aa.c.
Nominal output active power	3680 W	4000 W	4600 W	4999 W	6000 W

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Power factor	0.8 leading to 0.8 lagging				
Backup load terminal parameter					
Nominal output voltage	230 Va.c., L+N+PE				
Nominal output frequency	50/60 Hz				
Nominal output current	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Maximum output current	16 Aa.c.	17.4 Aa.c.	20 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Nominal output active power	3680 W	4000 W	4600 W	5000 W	5000 W
Nominal output apparent power	3680 VA	4000 VA	4600 VA	5000 VA	5000 VA
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 62109-1:2010
EN 62109-2:2011

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