



Product Service

# Attestation of Conformity

No. N8A 108394 0017 Rev. 00

**Holder of Certificate:** **Zigong Xingchuan Photoelectric Co., Ltd.**  
No.19 East Ring Road, Bancang Industrial Park  
Yantan District  
643030 Zigong City  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**(PV grid-interactive 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 testing and certification. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223093401

**Date,** 2022-09-27

( Billy Qiu )

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



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**Model(s):** Mercury 2000-S0, Mercury 3000-S0,  
 Mercury 3600-S0, Mercury 4000-S0,  
 Mercury 5000-S0, Mercury 6000-S0

## Parameters:

Model:	Mercury 2000-S0	Mercury 3000-S0	Mercury 3600-S0
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	13 Ad.c.	13 Ad.c.	13 Ad.c.
Maximum total PV array s-c current	15 Ad.c.	15 Ad.c.	15 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	9,5 Aa.c.	14,3 Aa.c..	17,2 Aa.c.
Nominal output active power P <sub>n</sub>	2 kW	3 kW	3.6 kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65
Protection class	I	I	I

Model:	Mercury 4000-S0	Mercury 5000-S0	Mercury 6000-S0
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	13 × 2 Ad.c.	13 × 2 Ad.c.	13 × 2 Ad.c.
Maximum total PV array s-c current	15 × 2 Ad.c.	15 × 2 Ad.c.	15 × 2 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	19,1 Aa.c.	23,8 Aa.c.	28,6 Aa.c.
Nominal output active power P <sub>n</sub>	4.0 kW	5.0 kW	6.0 kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65
Protection class	I	I	I



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**Tested  
according to:**

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

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