



Product Service

# Attestation of Conformity

No. T8A 108394 0020 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 in support of the Conformity Assessment Module A of Radio Equipment Directive 2014/53/EU. On the basis of the referenced test reports, the samples of the listed product were found to comply with the essential requirements of the above mentioned directive as implemented in the standards used valid at the time the tests were carried out. For the requirements of the Article(s) 3(2) and 3(3) only harmonized standards valid at the moment of issuing where used. The used standards cover the essential requirements of the Radio Equipment Directive as applicable to this product. The manufacturer must ensure compliance of the manufactured products with the technical documentation and other requirements of the Radio Equipment Directive that apply to them. National legal requirements have to be considered before bringing the product to the market. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 6877219000502A

**Date,** 2022-09-28

( Laurent Yuan )



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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:

Ratings: See below table for details

Protection Class: I

Test report No.:

6877219000502A [EN 300 328, EN IEC 62311, EN 62311, EN 50665]

6877219000402A [EN 301 489-1, EN 301 489-17, EN IEC 61000-6-1, EN 61000-6-3,

EN IEC 61000-6-2, EN IEC 61000-6-4, EN 61000-3-12, EN IEC 61000-3-11]

64290223093401 [EN 62109-1, EN 62109-2]

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	230Va.c.	230Va.c.	230Va.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 Pn	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



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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	230Va.c.	230Va.c.	230Va.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 Pn	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

**Tested according to:**

- EN 300 328 V2.2.2:2019
- EN IEC 62311:2020
- EN 62311:2008
- EN 50665:2017
- EN 301 489-1 V2.2.3:2019
- EN 301 489-17 V3.2.4:2020
- EN IEC 61000-6-1:2019
- EN 61000-6-3:2007/A1:2011
- EN IEC 61000-6-2:2019
- EN IEC 61000-6-4:2019
- EN 61000-3-12:2011
- EN IEC 61000-3-11:2019
- EN 62109-1:2010
- EN 62109-2:2011