

Compliance Document

No. D 086429 0060 Rev. 01

Holder of Certificate: **TBEA Xi'an Electric Technology Co.,Ltd**
No.70,shanglinyuan 4th Road,High-tech Zone
710119 Xi'an
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(PV grid-interactive inverter)

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290193019602

Date, 2021-02-08



(Billy Qiu)

Compliance Document

No. D 086429 0060 Rev. 01

Model(s): **TS208KTL-HV, TS209KTL-HV,
TS225KTL-HV, TS228KTL-HV,
TS250KTL-HV**

Parameters:

Model	TS208KTL-HV	TS209KTL-HV	TS225KTL-HV	TS228KTL-HV	TS250KTL-HV
V _{max} PV	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.
I _{SC} PV	50 Ad.c x 12	50 Ad.c x 12	50 Ad.c x 12	50 Ad.c x 12	50 Ad.c x 12
PV input operating voltage range	880 - 1300 Vd.c.	880 - 1300 Vd.c.	880 - 1300 Vd.c.	880 - 1300 Vd.c.	880 - 1300 Vd.c.
Maximum operating PV input current	30 Ad.c x 12	30 Ad.c x 12	30 Ad.c x 12	30 Ad.c x 12	30 Ad.c x 12
Nominal a.c. output voltage	800 Va.c., 3~ PE	800 Va.c., 3~ PE	800 Va.c., 3~ PE	800 Va.c., 3~ PE	800 Va.c., 3~ PE
Nominal a.c. output frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Nominal a.c. output current	150 Aa.c.	151 Aa.c.	162 Aa.c.	165 Aa.c.	180 Aa.c.
Maximum continuous a.c. output current	165 Aa.c.	166 Aa.c.	180 Aa.c.	180 Aa.c.	180 Aa.c.
Nominal a.c. output power	208 kW	209 kW	225 kW	228 kW	250 kW
Maximum continuous a.c. output power	228 kW	230 kW	250 kW	250 kW	250 kW
Power factor	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.
Protection class	I	I	I	I	I
Pollution degree	Outside PD3, Inside PD2	Outside PD3, Inside PD2	Outside PD3, Inside PD2	Outside PD3, Inside PD2	Outside PD3, Inside PD2
Overvoltage category (OVC)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)
Ingress protection	IP66	IP66	IP66	IP66	IP66

Tested according to:

IEC 60068-2-1:2007
IEC 60068-2-2:2007
IEC 60068-2-14:2009
IEC 60068-2-27:2008
IEC 60068-2-30:2005
IEC 60068-2-64:2008
IEC 60068-2-68:1994
IEC 60068-2-78:2012



Product Service

Compliance Document

No. D 086429 0055 Rev. 01

Holder of Certificate: **TBEA Xi'an Electric Technology Co.,Ltd**
No.70,shanglinyuan 4th Road,High-tech Zone
710119 Xi'an
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(PV grid-interactive inverter)

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Test report no.: 64290193019702

Date, 2021-02-08

(Billy Qiu)

Compliance Document

No. D 086429 0055 Rev. 01

Model(s): **TS208KTL-HV, TS209KTL-HV,
TS225KTL-HV, TS228KTL-HV,
TS250KTL-HV**

Parameters:

Model	TS208KTL-HV	TS209KTL-HV	TS225KTL-HV	TS228KTL-HV	TS250KTL-HV
V _{max} PV	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.
I _{SC} PV	50 Ad.c x 12	50 Ad.c x 12	50 Ad.c x 12	50 Ad.c x 12	50 Ad.c x 12
PV input operating voltage range	880 - 1300 Vd.c	880 - 1300 Vd.c	880 - 1300 Vd.c	880 - 1300 Vd.c	880 - 1300 Vd.c
Maximum operating PV input current	30 Ad.c x 12	30 Ad.c x 12	30 Ad.c x 12	30 Ad.c x 12	30 Ad.c x 12
Nominal a.c. output voltage	800 Va.c., 3~ PE	800 Va.c., 3~ PE	800 Va.c., 3~ PE	800 Va.c., 3~ PE	800 Va.c., 3~ PE
Nominal a.c. output frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Nominal a.c. output current	150 Aa.c	151 Aa.c	162 Aa.c	165 Aa.c	180 Aa.c
Maximum continuous a.c. output current	165 Aa.c	166 Aa.c	180 Aa.c	180 Aa.c	180 Aa.c
Nominal a.c. output power	208 kW	209 kW	225 kW	228 kW	250 kW
Maximum continuous a.c. output power	228 kW	230 kW	250 kW	250 kW	250 kW
Power factor	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.	0.8 ind. to 0.8 cap.
Protection class	I	I	I	I	I
Pollution degree	Outside PD3, Inside PD2	Outside PD3, Inside PD2	Outside PD3, Inside PD2	Outside PD3, Inside PD2	Outside PD3, Inside PD2
Overvoltage category (OVC)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)
Ingress protection	IP66	IP66	IP66	IP66	IP66

**Tested
according to:**

IEC 60529:1989
IEC 60529:1989/AMD1:1999
IEC 60529:1989/AMD2:2013