

# Compliance Document

No. D 114387 0044 Rev. 00

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**Product:** **Converter  
(Solar 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223059801

**Date,** 2022-11-03



( Billy Qiu )

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**Model(s):** **SUN2000-12KTL-M5, SUN2000-15KTL-M5, SUN2000-17KTL-M5, SUN2000-20KTL-M5, SUN2000-25KTL-M5**

## Parameters:

Model	SUN2000 -12KTL-M5	SUN2000 -15KTL-M5	SUN2000 -17KTL-M5	SUN2000 -20KTL-M5	SUN2000 -25KTL-M5
PV terminal parameters					
Maximum DC input voltage	1100 Vd.c.				
Rated input voltage	600 Vd.c.				
MPPT Range	200~1000 Vd.c.				
MPPT Range (full load)	370~800 Vd.c.	410~800 Vd.c.	440~800 Vd.c.	480~800 Vd.c.	530~800 Vd.c.
Maximum Input Current	2*30 Ad.c.				
Isc PV	2*40 Ad.c.				
Maximum Input Power	18000 W	22500 W	25500 W	30000 W	37500 W
Grid terminal parameters					
Rated AC voltage	230/400 Va.c., 3W+N+PE				
Rated AC output current	17.3 Aa.c.	21.7 Aa.c.	24.5 Aa.c.	28.9 Aa.c.	36.1 Aa.c.
Maximum AC output current	19.1 Aa.c.	23.9 Aa.c.	27.1 Aa.c.	31.9 Aa.c.	39.9 Aa.c.
Registered capacity	12000 W	15000 W	17000 W	20000 W	25000 W
Maximum continuous output apparent power	13200 VA	16500 VA	18700 VA	22000 VA	27500 VA
Rated AC frequency	50 Hz				
Power factor	0.8 leading to 0.8 lagging				

### Remark:

1. The grid connection protection system is evaluated according to DIN VDE 0126-1-1(VDE V 0126-1-1):2013-08, specially with consideration of "Enedis-FOR-RES\_18E - Information Collection Cards for a Connection Proposal before the file is complete and for a Connection Offer, to the Public Distribution Network managed by Enedis, of a Photovoltaic Production Installation with power greater than 36 kVA (Version 18)".

2. The software setting of integrated grid protection system in machine is selected as "UTE C 15-712-1 A" with following protection parameter:

- 1) Over voltage (stage 1: 10 min. mean value): 1.10 Un;
- 2) Over voltage for phase voltage and line voltage (stage 2): 1.15 Un;
- 3) Under voltage for phase voltage and line voltage: 0.80 Un;
- 4) Over frequency: 51.5 Hz;
- 5) Under frequency: 47.5 Hz.

3. The installation of this PV grid-interactive inverter in the PV plant shall further comply with "Guide Pratique UTE C 15-712-1:2013, Photovoltaic installations without storage and connected to the public distribution network.



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**Tested  
according to:**

DIN VDE 0126-1-1:2013 (with national deviation of France: DIN  
VDE 0126-1-1 VFR 2019)