

# Compliance Document

No. D 114387 0102 Rev. 00

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**Product:** **Converter  
(Hybrid 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.:** 64290233098801

**Date,** 2023-07-20



( Billy Qiu )

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**Model(s):** **SUN2000-12K-MB0, SUN2000-15K-MB0, SUN2000-17K-MB0, SUN2000-20K-MB0, SUN2000-25K-MB0**

## Parameters:

Model	SUN2000-12K-MB0	SUN2000-15K-MB0	SUN2000-17K-MB0	SUN2000-20K-MB0	SUN2000-25K-MB0
<b>Battery input/output parameters</b>					
Battery type	Li-ion				
Rated voltage	600 Vd.c.				
Battery voltage range	600-980 Vd.c.				
Maximum charge/discharge current	26.25 Ad.c./26.25 Ad.c.				
Maximum charge power	25000 W	25000 W	25000 W	25000 W	25000 W
Maximum discharge power	13200 W	16500 W	18700 W	22000 W	25000 W
Maximum charge power from grid to battery	13200 W	15000 W	15000 W	15000 W	15000 W
<b>PV terminal parameters</b>					
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
<b>Grid terminal parameters</b>					
Rated AC voltage	230/400 Va.c., 3W+N+PE				
Maximum continuous input current	19.1 Aa.c.	21.7 Aa.c.			
Maximum continuous input power	13200 W	15000 W	15000 W	15000 W	15000 W
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.
Rated AC output active power	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 under-excited to 0.8 over-excited				

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License condition:

- (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-PRO-RES\_10E - Description and study of decoupling protections for the connection of Generation Facilities connected to the Public Distribution Network (Version 6)". The setting of the integrated protection system of DIN VDE 0126-1-1 (VDE V 0126-1-1):2013-08 is as follows:  
Over voltage (stage 1: 10 min. mean value): 1.10 Un;  
Over voltage (stage 2): 1.15 Un;  
Under voltage: 0.80 Un;  
Over frequency: 51.5 Hz;  
Under frequency: 47.5 Hz.
- (2) The installation of this Hybrid inverter in the PV plant shall further comply with "Guide Pratique XP C15-712-3:2019, Photovoltaic installations with storage device and connected to a public distribution network" and other suitable regulations.

**Tested  
according to:**

DIN VDE 0126-1-1:2013  
XP C15-712-3:2019