

Certificate of Conformity

No. ESY 114387 0072 Rev. 01

Holder of Certificate: **Huawei Digital Power Technologies Co., Ltd.**
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518043 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

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

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223134802

Date, 2023-07-24



(Billy Qiu)

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Model(s): **PV grid-interactive inverter models:**
SUN2000-12KTL-M5, SUN2000-15KTL-M5,
SUN2000-17KTL-M5, SUN2000-20KTL-M5,
SUN2000-25KTL-M5

Hybrid inverter models:
SUN2000-12K-MB0, SUN2000-15KTL-MB0,
SUN2000-17K-MB0, SUN2000-20K-MB0,
SUN2000-25K-MB0

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 voltage range	200~1000 Vd.c.				
MPPT voltage 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.				
PV short circuit current	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.
Rated output active power	12000 W	15000 W	17000 W	20000 W	25000 W
Maximum output active power	13200 W	16500 W	18700 W	22000 W	27500 W
Maximum continuous output apparent power	13200 VA	16500 VA	18700 VA	22000 VA	27500 VA
Rated frequency	50 Hz				
Power factor	0.9 under-excited to 0.9 over-excited				

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Model	SUN2000-12K-MB0	SUN2000-15K-MB0	SUN2000-17K-MB0	SUN2000-20K-MB0	SUN2000-25K-MB0
Battery input/output parameters					
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	13200 W	15000 W	15000 W	15000 W	15000 W
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				
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	0.9 under-excited to 0.9 over-excited				

Applicable standards:

TOR Erzeuger Typ A Version 1.2:2022
 OVE-Richtlinie R 25:2020