



Ref. Certif. No.

SG PSB-PV-00028

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Converter (SOLAR INVERTER)
Name and address of the applicant	Huawei Technologies Co., Ltd. Administration Building Headquarters of Huawei Technologies Co., Ltd. Bantian, Longgang District 518129 Shenzhen PEOPLE'S REPUBLIC OF CHINA
Name and address of the manufacturer	Huawei Technologies Co., Ltd. Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, 518129 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Name and address of the factory	Huawei Machine Co., Ltd. No. 2, New City Avenue, Songshan Lake Sci. & Tech. Industry Park, 523808 Dongguan, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	See below pages
Model/type Ref.	SUN2000-125KTL-M0, SUN2000-110KTL-M0, SUN2000-100KTL-M0, SUN2000-100KTL-M1, SUN2000-100KTL-INM0, SUN2000-75KTL-M1, SUN2000-115KTL-M2, SUN2000-110KTL-M2, SUN2000-100KTL-M2
A sample of the product was tested and found to be in conformity with	IEC 62109-1:2010 IEC 62109-2:2011
as shown in the Test Report Ref. No. which forms part of this certificate	085-223141501-000

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This CB Test Certificate is issued by the National Certification Body

CBS 041829 4917 Rev. 00

Date, 2023-01-16

(Billy Qiu)



TÜV SÜD PSB Pte Ltd 15 International Business Park TÜV SÜD @ IBP Singapore 609937

PSB Singapore

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Trademark / Brand (Image)



Ratings and principal characteristics (continued)

Model	SUN2000-125KTL-M0	SUN2000-110KTL-M0	SUN2000-100KTL-M0	SUN2000-100KTL-M1	SUN2000-100KTL-INM0
DC input					
Maximum input voltage	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
Maximum input current	10 × 26 Ad.c.	10 × 26 Ad.c.	10 × 26 Ad.c.	10 × 26 Ad.c.	10 × 26 Ad.c.
Maximum short-circuit current	10 × 40 Ad.c.	10 × 40 Ad.c.	10 × 40 Ad.c.	10 × 40 Ad.c.	10 × 40 Ad.c.
MPP voltage range	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.
Maximum number of inputs	20	20	20	20	20
Number of MPPT circuits	10	10	10	10	10
AC output					
Rated output power	125 kW	110 kW	100 kW	100 kW	100 kW
Maximum apparent power	137,5 kVA	121 kVA	110 kVA	110 kVA	110 kVA
Maximum output power (cos φ = 1)	137,5 kW	121 kW	110 kW	110 kW	110 kW
Rated output voltage	500 Va.c. 3W+PE	380/400 Va.c. 3W+N+PE	380/400 Va.c. 3W+N+PE	380/400 Va.c. 3W+N+PE 480 Va.c. 3W+PE	415 Va.c. 3W+N+PE 480 Va.c. 3W+PE
Output voltage frequency	50 Hz	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz
Maximum output current	160,4 Aa.c.	185,7 Aa.c. (@380 Va.c.) 176,4 Aa.c. (@400 Va.c.)	168,8 Aa.c. (@380 Va.c.) 160,4 Aa.c. (@400 Va.c.)	168,8 Aa.c. (@380 Va.c.) 160,4 Aa.c. (@400 Va.c.) 133,7 Aa.c. (@480 Va.c.)	154,6 Aa.c. (@415 Va.c.) 133,7 Aa.c. (@480 Va.c.)
Power factor	0,8 leading - 0,8 lagging				
General					
Dimensions (W x H x D)	1035 mm x 700 mm x 365 mm				
Weight	93 kg				
Operating temperature	-25°C to +60°C (derated when the temperature is above +40°C)				
Operating altitude	4000 m				
Protection level	IP66				

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IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Model	SUN2000-115KTL-M2	SUN2000-110KTL-M2	SUN2000-100KTL-M2	SUN2000-75KTL-M1
DC input				
Maximum input voltage	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
Maximum input current	10 × 30 Ad.c.	10 × 30 Ad.c.	10 × 30 Ad.c.	10 × 26 Ad.c.
Maximum short-circuit current	10 × 40 Ad.c.	10 × 40 Ad.c.	10 × 40 Ad.c.	10 × 40 Ad.c.
MPP voltage range	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.
Maximum number of inputs	20	20	20	20
Number of MPPT circuits	10	10	10	10
AC output				
Rated output power	115 kW	110 kW	100 kW	75 kW
Maximum apparent power	125 kVA	121 kVA	110 kVA	75 kVA
Maximum output power (cos φ = 1)	125 kW	121 kW	110 kW	75 kW
Rated output voltage	400 Va.c. 3W+N+PE 480 Va.c. 3W+PE	380/400 Va.c. 3W+N+PE	380/400 Va.c. 3W+N+PE 480 Va.c. 3W+PE	380/400 Va.c. 3W+N+PE 480 Va.c. 3W+PE
Rated grid frequency	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz	50Hz/60 Hz
Maximum output current	182,3 Aa.c. (@400 Va.c.) 151,9 Aa.c. (@480 Va.c.)	185,7 Aa.c. (@AC 380 Va.c.) 176,4 Aa.c. (@AC 400 Va.c.)	168,8 Aa.c. (@380 Va.c.) 160,4 Aa.c. (@400 Va.c.) 133,7 Aa.c. (@480 Va.c.)	113,6 Aa.c. (@380 Va.c.) 108,6 Aa.c. (@400 Va.c.) 90,25 Aa.c. (@480 Va.c.)
General				
Dimensions (W x H x D)	1035 mm x 700 mm x 365 mm			
Weight	93 kg			
Operating temperature	-25°C to +60°C (derated when the temperature is above +40°C)			
Operating altitude	4000 m			
Protection level	IP66			

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