

CERTIFIED TRANSLATION FROM THE POLISH LANGUAGE

[All the translator's remarks are given in italics in square brackets.]

HUAWEI

Version 01, 14.09.2020

Manufacturer information

1. Document no.: **HW20200914IP01RCMU**
HW | yyyy mm dd | IP/DP | version | addressee or reference document
2. Issuer's details: **Huawei Technologies Co., Ltd.**
Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District, Shenzhen, 518129, PRC
3. Declaration subject: **PV inverter (device/component)**

a. Brand

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a. Series:	SUN2000L	SUN2000MA	SUN2000	SUN2000HA
b. Models:	SUN2000L-2KTL SUN2000L-3KTL SUN2000L-3.68KTL SUN2000-2KTL-LO SUN2000-3KTL-LO SUN2000-3.68KTL-LO SUN2000-2KTL-L1 SUN2000-3KTL-L1 SUN2000-3.68KTL-L1	SUN2000-3KTL-M0/-M1 SUN2000-4KTL-M0/-M1 SUN2000-5KTL-M0/-M1 SUN2000-6KTL-M0/-M1 SUN2000-8KTL-M0/-M1 SUN2000-10KTL-M0/-M1 SUN2000-12KTL-M0/-M2 SUN2000-15KTL-M0/-M2 SUN2000-17KTL-M0/-M2 SUN2000-20KTL-M0/-M2	SUN2000-33KTL-A SUN2000-36KTL SUN2000-50KTL-M0 SUN2000-60KTL-M0 SUN2000-100KTL-M1	SUN2000-100KTL-H1 SUN2000-105KTL-H1 SUN2000-185KTL-H1

4. These devices are equipped with a Residual Current Monitoring Unit Connected to an executive block to isolate the source (photovoltaic generator) from the grid in accordance with the criteria set out in IEC 62109-2: "Safety of power converters used in photovoltaic energy systems -- Part 2: Specific requirements for inverters". An additional type B circuit breaker to ensure separation of the PV circuit, according to PN-HD 60364-7-712, is not required (712.530.3.101).
5. **Operation description:** The system is triggered for alternating, pulsating and static currents, whose effective values meet the criteria described below and are tested in accordance with IEC 62109-2.

Continuous differential current:

For devices with a maximum apparent power of $S_{max} < 30$ kVA with an effective value of the diverging current > 300 mA, the diverter switchgear must isolate the source from the mains within < 300 ms. For units with a power output of > 30 kVA, the threshold value is calculated according to the formula: $10 \text{ mA} \cdot S_{max} [\text{kVA}]$.

Response to changes in the effective value of the differential current:

Sudden variation of the differential current	Maximum activation time of protection
30 mA	300 ms
60 mA	150 ms
150 mA	40 ms

6. **Appendices:** (1) Conformity certificate IEC 62109, (2) Conformity certificate EN 50549-1 (reference to VDE 0126-1-1:2006)

On behalf of Huawei
Technologies,
Warsaw, 14.09.2020,

[illegible signature]

Szymon Witaszek
Senior Solution Manager
Solution Sales & Marketing, CEE & Nordic

I hereby certify that the above translation of the text corresponds to the electronic document in Polish.

Aleksandra Bacz, a sworn translator of English entered in the Register of Sworn Translators kept by the Minister of Justice, under number TP/2/18.

Number in the Sworn Translator's Register: 371/2023

Gliwice, 15 May 2023

Signed with the use of a certificate issued for Aleksandra Maria Bacz (qualified certificate).

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