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## Huawei Inverter - DC Switch disconnecter compliance

The PCE integrated switch disconnectors for below listed Huawei inverter models are certified to IEC 60947.1:2015, AS 60947.3:2018, and able to comply with the PCE enclosed DC switch disconnecter requirements of AS/NZS5033:2014 Amd1 & Amd2. The switch Disconnectors are DC-PV2 utilization category, where  $I_{(make)}$  and  $I_{C (break)}$  is 4 times  $I_e$  (rated operational current). In line with AS/NZS 5033 amd 1's Clause 4.4.1.2 (c) where the switch disconnecter is enclosed in the PCE, and being in the off position, considering it is removed as a whole for replacement (i.e. cover never removed), there is no risk of electrical hazard.

The switch disconnectors comply with amd 2 clause 4.3.5.2 (a,c,d,e,f,g,h,i,j/iv/A,k). The  $I_e$  and  $I_c$  are rated such that the disconnecter is capable of interrupting the maximum rated PV array normal and fault current as specified in the inverter manuals and instructions.

The PCE integrated DC switch disconnectors used are from SANTON (models XBE+ and XBHP+), and are compliant with EESS/ERAC requirements for Level 3 equipment.

This declaration is valid for:

- SUN2000 5/6/8/10/12/15/17/20kTL-M0 models.
- SUN2000 5/6/kTL-M1 models.
- SUN2000 8/10/12/15/17/20ktL-M2 models.
- SUN2000 2/3/4/4.6/5/6ktL-L1 models
- SUN2000L -2/3/4/4.6/5kTL (inverters shipped from May 2019 onwards\*)

\*Below example shows how check from the Serial Number if the inverter SUN2000L has a compliant enclosed DC disconnecter.



Pic 1: Serial Number description

The third, fourth and fifth digits in the Serial Number means the period of production. Which means this particular inverter was manufactured in Aug in 2019

If the fifth digit is A, it means manufacturing month is Oct. Similarly, B refers to Nov, and C refers to Dec.

For SUN2000L-2/3/4/4.6/5KTL models, if the period digits in S/N are greater or equal to 195, this declaration is valid for that unit.

When installed as per relevant guidelines and standards, separate DC isolators are not required as the enclosed DC isolators are compliant and certified.

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<sup>1</sup> SUN2000L1 series, SUN2000M1/M2 added <sup>2</sup> Compliance terminology added <sup>3</sup> Clause references added