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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  $I_{(break)}$  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 are from SANTON (model XBHP+), and are compliant with EESS/ERAC requirements for Level 3 equipment.

This declaration is valid for:

SUN2000-29.9/36/KTL (Shipments from Oct 2019)\*

SUN2000-50KTL-M0 (Shipments from Oct 2019)\*

SUN2000-100kTL-M1 (all shipments)

\*Below example shows how check from the Serial Number for the shipment date (it having a DC PV2 isolator) for the 29.9/36 and 50kTL M0 inverters.



Pic 1: Serial Number description

The third, fourth and fifth digits in the Serial Number means the period of production, showing here that 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 the 29.9kTL, 36kTL, and 50kTL M0, if the period digits in S/N are greater or equal to 19A, this declaration is valid for that unit.

There are also some additional units which are compliant. Their Serial numbers can be checked on solar.huawei.com/au/services or the link below:

<https://solar.huawei.com/en-AU/download?p=%2F~%2Fmedia%2FSolar%2Fservices%2FHUAWEI-DC-PV2-Changeover-List.pdf>

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> Link to additional Serial Numbers added <sup>2</sup> 100kTL M1 added <sup>3</sup> Compliance terminology added <sup>4</sup> clauses added