

SolarEdge HD-Wave Inverters with DC Safety Unit: AS/NZS 5033:2014 Compliance

This is to declare that the following SolarEdge inverters with DC Safety Units are supplied with DC isolators in the integral DC Safety Unit:

SE2500H, SE3000H, SE3500H, SE4000H, SE4600H, SE5000H and SE6000H.

These isolators comply with AZ/NZS 5033:2014 requirements for disconnecting devices. This includes the following:

- The isolators are certified to IEC 60947, with a utilization category of at least DC21B (clauses 4.3.5.1 and 4.3.5.2)
- The isolators are not polarity sensitive, are rated to interrupt full load and fault currents from the PV array and any other connected power sources such as batteries, and interrupt all live conductors simultaneously (clause 4.3.5.2)
- The isolators isolate the inverter from all poles of the array such that inverter maintenance is possible without risk of electrical hazards; in addition the DC Safety Unit is mechanically interlocked such that it allows removal of the inverter without risk of electrical hazards (clause 4.4.1.2)
- The voltage rating of each isolator/switch-disconnector pole in the DC Safety Unit is at least the PV array maximum voltage (Appendix B2 clause (d))

Since the DC Safety Unit is integral to the inverter, according to chapter 4.4.1.4 there is no need to install an additional DC switch between the PV array cable and the inverter.

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Date



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