

## Goodwe AS/NZS4777.2:2020 and AS60947.3 Compliance Update

The December 18<sup>th</sup> 2021 deadline for inverter compliance to the new AS/NZS4777.2:2020 is approaching. The Goodwe certifications team have worked hard to ensure nearly all of the current Goodwe & GE branded models have been issued AS/NZS 4777.2:2020 certificates and listed on the CEC approved inverter list.

With the new standards becoming effective from Dec 18<sup>th</sup>, there are 3 x key certificates inverter manufacturers must have, listed below

- Inverter certificate AS/NZS4777.2:2020
- DC isolator certificate AS60947:2018
- Inverter and DC isolator tested together for 'Temperature rise with solar effects'. Individual Inverter models then require listing on the DC isolator certificate. (Referring to ERAC info Bulletin 20-018)

Late November 2021, EESS/ERAC (Electrical Equipment Safety System Standing Committee) requested the laboratory issuing DC isolator certificates to have full AS60947.3 accreditation. Unfortunately, currently there is no testing facility in the world holding this accreditation under the newly revised request from EESS/ERAC.

Goodwe has been advised at least one laboratory is currently undergoing this process to gain this AS60947.3 accreditation which will take another 4-6 weeks. Providing this is successful, DC isolator certificates can then be issued within 2-3 weeks from this date.

Considering all facts above, it is currently impossible for Goodwe to have their inverters with integrated DC isolators re-certified in time to meet the December 18<sup>th</sup> 2021 commencement date for AS4777.2:2020. Goodwe inverters with inbuilt DC isolator therefore cannot be installed after December 18, due to the uncertified DC isolators except for SDT G2 8-20k.

Impacts on Goodwe products:

**Category I:**

**SDT G2 8-20KW.**

Currently the only Goodwe series with inbuilt DC isolator that has received AS60947 certificate and registered on EESS/ERAC with the inverter model listed on the certificate prior to EESS/ERAC test standard changing. This series is listed on the CEC with AS4777.2:2020. These models are fully compliant post Dec 18, 2021.

**Category II:**

**Goodwe ES series, Goodwe ET series.**

These models have been listed on the CEC Approved Inverter list with AS4777.2:2020 certificate. These models do not include inbuilt DC isolators. These models are fully compliant to install post Dec 18.

**Category III:**

**Goodwe DNS, MS, GEP3-5kW, GEP5-10kW.**

These models have been listed on the CEC Approved Inverter list with AS4777.2:2020 certificate. However, due to the DC isolator certificate issue, these models are deemed non-compliant for install after Dec 18th, 2021.

Goodwe is exploring all possibilities to allow installation of these models post Dec 18th, 2021 until the DC isolator issue is resolved.

**Category IV:**

**Goodwe SDT G2 5-6kW, HT, GE50-60kW**

Compliance ETA: late Jan, 2022

**Goodwe XS, SBP, EH**

Compliance ETA: late Feb, 2022

**Goodwe SMT Series & GEP29.9**

We will release a new version with higher Input current.

Compliance ETA: Late Feb

**Goodwe GEH5/8.6/10**

Compliance ETA: TBA

**Goodwe MT Series**

Compliance ETA: Late March

For customers in New Zealand, there is currently no clear information regarding DC isolator compliance.



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