

# PV MODULE APPLICATION CHECKLIST

|                               |  |
|-------------------------------|--|
| License Holder / Manufacturer |  |
| APP Numbers                   |  |
| Date submitted                |  |

|          | Items to check  | OK |
|----------|---|----|
| <b>A</b> | <b>VDE Quality Tested</b>   |    |
| 1        | Check validity of VDE QT certificate on VDE website<br>Latest version of the VDE QT program is 2019 (2012 version certificates accepted until Feb 2020) |    |
| 2        | Check VDE is also the certifier for main 61215/61730 listing  |    |
| 3        | Company names and factories match   |    |
| 4        | Model numbers match   |    |
| 5        | Expiry date is valid. Note QT Certificate is re-issued yearly but does not affect 3yr listing   |    |
| <b>B</b> | <b>IEC TS 62941 Quality Standard</b>  |    |
| 1        | Check 62941 certificate on the certifier website  |    |
| 2        | Check company name and all factories match  |    |
| 3        | Check the Audit Report linked to the certificate for satisfactory performance on each clause  |    |
| 4        | If different certifier to 61215/61730 cert, check that certifier has not issued its own 61215/61730 certificate for these models.                       |    |
| <b>C</b> | <b>PVEL Product Qualification Program (PQP)</b>   |    |
| 1        | Check you have received the Final Engineering Report dated 2016 or later  |    |
| 2        | Request the Factory Witness Report containing the BOM   |    |
| 3        | Check the BOM for correspondence with the main certificate CDF  |    |
| 4        | Get a Company Declaration (see text below)  |    |
| 5        | Check that degradation is < 3% on all test legs; <3% on LeTID; Pass Visual Inspection   |    |
| 6        | Verify the Final Engineering Report number on the PVEL Veracity Portal  |    |
| <b>D</b> | <b>IEC TS 62804 PID Resistance</b>  |    |
| 1        | Check the 62804 certificate (or equivalent certifier standard) on certifier website   |    |
| 2        | Certifier uses <5% degradation (IEC TS 62804 currently has no pass/fail)  |    |
| 3        | Check BOM for PID certificate <u>overlaps</u> CDF for 61215/61730 cert in <u>each</u> component   |    |
| 4        | Get a Company Declaration (see text below)  |    |
| 5        | Certifier Mark for enhanced listing on label only if from same certifier as 61215/61730   |    |
| <b>E</b> | <b>IEC 61701 Salt Mist Corrosion Resistance</b>   |    |
| 1        | Check the certificate on the certifier website  |    |
| 2        | Check BOM for Salt certificate <u>overlaps</u> CDF for 61215/61730 cert in <u>each</u> component  |    |
| 3        | Get a Company Declaration (see text below)  |    |
| 4        | Certifier Mark for enhanced listing on label only if from same certifier as 61215/61730   |    |
| <b>F</b> | <b>IEC 62716 Ammonia Resistance</b>   |    |
| 1        | Check the certificate on the certifier website  |    |
| 2        | Check BOM for Ammonia cert <u>overlaps</u> CDF for 61215/61730 cert in <u>each</u> component  |    |
| 3        | Get a Company Declaration (see text below)  |    |
| 4        | Certifier Mark for enhanced listing on label only if from same certifier as 61215/61730   |    |
| <b>G</b> | <b>Cyclonic Testing</b>   |    |
| 1        | Check Test Summary Sheet and Test Report covers AS 4040.2 and NCC 2016 LHL  |    |
| 2        | Check install manual specifies same mounting frame and fixings as used in Test Report   |    |
| 3        | Check install manual specifies engineering design/sign-off for each cyclonic installation   |    |
| 4        | Check Static & Cyclic Recommended Ultimate Strength Limit in Summary Sheet >4.5kPa  |    |
| 5        | Get a Company Declaration (see Cyclonic text below)   |    |

PV MODULE APPLICATION CHECKLIST (APPLIES FROM SEPT 2019)

|          |  |  |
|----------|--|--|
| <b>H</b> | <b>Backsheet Durability</b>  |  |
| 1        | Check if PVF (Tedlar) backsheets are on DuPont Global Certified Laminator list<br>05_DATA FILES\CEC Enhanced Listing\MAST Backsheet Durability                       |  |
| 2        | <u>OR</u> non PVF backsheets; supply a Test Report from indep lab to MAST (or verified alternative)  |  |
| 3        | -Check TR: no cracking, powdering, yellowing, de-lamination. Passed wet leakage test.  |  |
| 4        | -Check backsheet make and model in Test Report is on CDF for 61215/61730 certificate   |  |
| 5        | Get a Company Declaration (see Backsheet Durability text below)  |  |
|          |  |  |
| <b>I</b> | <b>Final Checks</b>  |  |
| 1        | Where multiple enhanced listings are requested, ensure that for each component, there is at least one make/model which is present on <u>all</u> certificates         |  |
| 2        | If not, client to remove any enhanced listings which cannot technically be met   |  |
| 3        | If the enhanced standard has a BOM which is incompatible with the 61215/61730 CDF, and the standard cannot technically be met, it must be removed from the datasheet |  |
|          |  |  |

**Text for Company Declaration:**

“In consideration of CEC granting an Enhanced Listing for the model numbers specified below, [company] undertakes that the bill of materials (BOM) used for all shipments of the specified model numbers of solar modules supplied to Australia will conform to the CDF for the main IEC 61215/61730 certificate, as well as any relevant Enhanced Listing certificates or test reports.

I understand that failure to comply may put the company in breach of the CEC listing Terms and Conditions relating to misleading application information and customer documentation. I understand that we can withdraw the Enhanced Listing at any time without affecting our basic CEC listing.”

- Declaration should detail the relevant model numbers or in an attachment.
- Declaration is to be on company letterhead and signed by senior management.

**Declaration for Cyclonic Testing**

“In consideration of CEC granting an Enhanced Listing for the model numbers specified below, [company] undertakes that the framing and glass used for the specified model numbers of solar modules supplied to Australia will conform to the CDF for the main IEC 61216/61730 certificate, as well as the materials used in the JCU test report.

I understand that failure to comply may put the company in breach of the CEC listing Terms and Conditions relating to misleading application information and customer documentation. I understand that we can withdraw the Enhanced Listing at any time without affecting our basic CEC listing.”

**Declaration for Backsheet Durability**

“In consideration of CEC granting an Enhanced Listing for Backsheet Durability for the model numbers specified below, [company] undertakes that the backsheets used for all PV module shipments to Australia of the specified model numbers will be on the DuPont global laminators list, or on a MAST test report supplied to CEC.”

I understand that failure to comply may put the company in breach of the CEC listing Terms and Conditions relating to misleading application information and customer documentation. I understand that we can withdraw the Enhanced Listing at any time without affecting our basic CEC listing.”