



## Industry alert

### AS/NZS 5033:2021 published

#### **Standards Australia has recently published revised standard AS/NZS 5033:2021, Installation and safety requirements for photovoltaic (PV) arrays.**

AS/NZS5033 is referenced in AS/NZS 3000, commonly known as the Wiring Rules, which is called upon in the [Electricity Safety \(General\) Regulations 2019](#). AS/NZS 5033:2014 will remain current for six months (that is, until 18 May 2022) after this time it will be superseded by AS/NZS 5033:2021.

During this six month transition period either standard (AS/NZS 5033:2014 or AS/NZS 5033:2021) can be followed for the installation of solar panels, but in either case, the whole standard will need to be followed, e.g. if you choose to use the 2021 version the whole standard is to be followed, you are not able to use some requirements in 2021 version and some of the requirements in the 2014 version. From 19 May 2022, installation of solar panels shall comply with AS/NZS 5033:2021

Overall, the revision aims to provide clear and relevant guidance to support safe systems and safe practices for industry professionals and consumers. The standard has been restructured to promote better readability and also aligns with international standard IEC 62548:2016, *Photovoltaic (PV) arrays — Design requirements*. Some of the changes in the standard include:

- Rooftop isolator requirements
- DC cable routing and installation requirements
- Earthing requirements
- Increase in maximum PV array voltage for residential systems
- Changes to d.c. optimiser and micro inverter requirements
- Updated testing and verification requirements

These are only some of the changes in the standard therefore you will need to obtain a copy of the standard and assess all of the requirements outline in the standard. The standard is available through [SAI Global](#).

ESV will be working with industry bodies to provide guidance relating to the requirements of the AS/NZS 5033:2021 before it supersedes the 2014 version in six months time.

#### Contact us for more information

- Phone our technical line on (03) 9203 9700, select option 2 - 'Electrical technical enquires'
- Email us at [ElectricalInstallationEnquiries@energysafe.vic.gov.au](mailto:ElectricalInstallationEnquiries@energysafe.vic.gov.au)



