

Information about the MC4 and MC4-EVO2 connectors

The new Astronergy CHSM60M-HC (both 158.75 and 166 series) panel is fitted with MC4-EVO2 connectors. This letter addresses concerns of the MC4-EVO2 connector and the standard MC4 connector, which may be a breach of AS/NZ 5033.

As per section 4.3.7 (k), connectors can only be connected with those of the same type and from the same manufacturer.

The MC4-EVO2 connector is a type of MC4 connector, and like the MC4, is manufactured by the Staubli international AG. MC4 connectors, thus can be connected with MC4-EVO2 connectors.

MC4-EVO2 connectors are fully compatible with standard MC4 connectors. This has also been verified with the Clean Energy Council (CEC).

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“We have received confirmation from the Electrical Safety Regulators that as the MC4 and the MC4-EVO-2 are both manufactured by Staubli and the manufacturer states they are of the same type (MC4) and compatible for connection, the requirements of the clause (same type from same manufacturer) are met when mating these plug connectors. Staubli instructions must be followed when mating these two connectors.

Furthermore, the TUV certification points out that MC4-EVO2 connectors are able to be connected with standard MC4 connectors.

The MC4-EVO2 certification and the data sheets can be found via the links below.

TUV certificate: https://ec.staubli.com/AcroFiles/Zertifikate/TUV/TUV_MC4-Evo-2_R60127169_en.pdf

Datasheet: [https://ec.staubli.com/AcroFiles/Technical%20Info/PV_SOL-LVDC_\(en\).pdf](https://ec.staubli.com/AcroFiles/Technical%20Info/PV_SOL-LVDC_(en).pdf)