

# CERTIFICATE OVERVIEW

## Grid inverters



| Country        | Standard                                 | coolcept                              | coolcept-x                    | coolcept³                  | coolcept³-x                | coolcept fleX                 | coolcept fleX XL |
|----------------|--|---------------------------------------|-------------------------------|----------------------------|----------------------------|-------------------------------|------------------|
|                | CE certificate                           | ✓                                     | ✓                             | ✓                          | ✓                          | ✓                             | ✓                |
|                | VDE V 0126-1-1                           | ✓                                     | ✓                             | ✓                          | ✓                          | ✓                             |                  |
|                | IEC 62109-1 and -2                       |                                       |                               | ✓                          | ✓                          |                               | ✓                |
|                | EN 50438:2013                            | ✓                                     | ✓                             | ✓                          | ✓                          | ✓                             |                  |
|                | IEC 61727                                | ✓                                     | ✓                             |                            |                            |                               | ✓                |
|                | IEC 62116                                | ✓                                     | ✓                             |                            |                            | ✓                             | ✓                |
| Australia      | AS/NZS 4777                              |                                       |                               |                            |                            | ✓                             |                  |
| Austria        | ÖNORM E 8001-4-712                       | ✓                                     | ✓                             |                            |                            |                               |                  |
| Austria        | Tor D4                                   | ✓                                     | ✓                             | ✓                          | ✓                          | yes, but not StecaGrid 4611_2 | ✓                |
| Belgium        | AR-N 4105                                | ✓                                     | ✓                             | on Synargrid positive list | on Synargrid positive list |                               |                  |
| Brazil         | IEC 62116                                | ✓                                     | ✓                             |                            |                            |                               |                  |
| Denmark        | VDE AR N 4105                            | ✓                                     | ✓                             |                            |                            |                               | ✓                |
| Denmark        | TR 3.2.1                                 |                                       |                               | on ENERGINET positive list | on ENERGINET positive list |                               |                  |
| France         | VDE V 0126-1-1                           | ✓                                     | ✓                             |                            |                            | ✓                             | ✓                |
| France         | UTE C15-712-1                            |                                       |                               |                            |                            |                               | ✓                |
| France         | Déclaration du Fabricant                 |                                       |                               | ✓                          | ✓                          |                               |                  |
| Germany        | VDE AR N 4105                            | ✓                                     | ✓                             | ✓                          | ✓                          | ✓                             |                  |
| Greece         | VDE V 0126-1-1                           | ✓                                     | ✓                             |                            |                            |                               |                  |
| Hungary        | IEC 62109-1, IEC 61727, IEC 62116        | yes, but only StecaGrid 3000 and 3600 |                               |                            |                            |                               |                  |
| Ireland        | CER/06/190                               | ✓                                     | ✓                             | ✓                          | ✓                          |                               |                  |
| Italy          | CEI 0-21                                 | ✓                                     | ✓                             |                            |                            | ✓                             | ✓                |
| New Zealand    | AS/NZS 4777                              | ✓                                     | ✓                             |                            |                            |                               |                  |
| Poland         | EN 50438:2013                            | yes, but not StecaGrid 4200           | yes, but not StecaGrid 4200x  | ✓                          | ✓                          |                               |                  |
| Portugal       | EN 50438                                 | ✓                                     | ✓                             |                            |                            |                               |                  |
| Slovakia       | EN 50438:2013                            | yes, but not StecaGrid 4200           | yes, but not StecaGrid 4200x  |                            |                            |                               |                  |
| South Africa   | NRS 097                                  | ✓                                     | ✓                             |                            |                            |                               |                  |
| Spain          | RD 1699/2011,                            | ✓                                     | ✓                             |                            |                            |                               |                  |
| Spain          | UNE 206006 IN, UNE 206007-1 IN           |                                       |                               |                            |                            |                               | ✓                |
| Sweden         | EN 50438:2007, SEK TK8                   | ✓                                     | ✓                             | ✓                          | ✓                          |                               |                  |
| Thailand       | IEC 61727, IEC 62116, IEEE 1547, AS 4777 | yes, but only StecaGrid 3600          | yes, but only StecaGrid 3600x |                            |                            |                               |                  |
| United Kingdom | G59/3                                    | ✓                                     | ✓                             |                            |                            | ✓                             |                  |
| United Kingdom | G83/2                                    | yes, but not StecaGrid 4200           | yes, but not StecaGrid 4200x  |                            |                            | yes, but not StecaGrid 4611_2 | ✓                |