


|   |        |     |  |
|---|--------|-----|--|
| GLV 032-09  | GOODWE | TDS |  |
| <b>C10/26 - DECLARATION OF CONFORMITY for power-generating units</b><br>GLV ed2.1.2 (12/2019)   |        |     |  |
| <b>for the application of annex D "Technical basic requirements regarding the power-generation units" of the Synergrid prescription C10/11 ed2.1 (01/09/2019)</b> |        |     |  |

|                  |               |                                     |                 |  |
|------------------|---------------|-------------------------------------|-----------------|--|
| The undersigned, | Manufacturer: | GoodWe Technologies Co., Ltd        | Represented by: | Tao Jiang  |
|                  | Address:      | No. 90 Zijin Rd., SND Suzhou, CHINA | Country:        | CHINA  |
|                  |               |                                     | email:          | <a href="mailto:tao.jiang@goodwe.com">tao.jiang@goodwe.com</a> |
|                  |               |                                     | Telephone:      | 0086 0150 5159 0076  |

Hereby declares that each production unit completed in the list in tab 'list of power-generating units' of this homologation application complies with the following conditions:

1. The power-generating unit complies with the relevant requirements set out in annex D "Technical basic requirements regarding the power-generation units" of the Synergrid prescription C10/11 ed2.1 (01/09/2019).

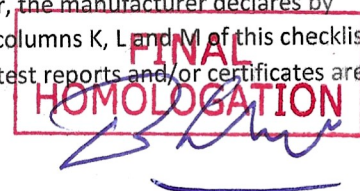
2. In order to substantiate this, a separate technical file has been submitted at least for each separate product series of the 'C10/26 list of power-generating units' of this homologation application. Each technical file shall be drawn up on the basis of a checklist Annex D, duly and correctly completed by the manufacturer, accompanied by all the required proof of conformity.

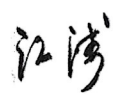
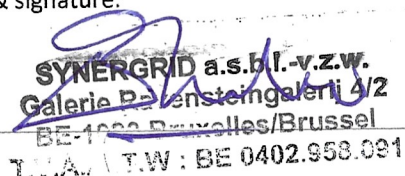
2.1 For technical requirements for which the required proof of conformity (column J in checklist annex D) is a declaration of honour by the manufacturer, the manufacturer declares by signing and dating this declaration of conformity the correctness of the information (conform / not conform / not applicable) provided by him or her in columns K, L and M of this checklist.

2.2. For technical requirements for which the required proof of conformity (column J in checklist Annex D) is a test report or a certificate, the necessary test reports and/or certificates are available \* in the technical file:

- Certificates have been issued by an EN 45011 (or ISO 17065:2012) certification body accredited for these materials.
- Test reports have been established by an ISO 17025:2005 or ISO 17065:2012 laboratory accredited for these tests.

2.3 A list of the document references or the certificates of conformity referred to in the checklist Annex D is also available in the technical file.



|                                  |               |   |                              |   |
|----------------------------------|---------------|---|------------------------------|---|
| Done at:                         | Suzhou, China |  | Homologated by Synergrid on: | 26/07/2022  |
| On:                              | 16/02/2022    |   | Stamp Synergrid & signature: |  |
| (stamp manufacturer & signature) |               |   |                              |   |

\* **Transition period till 01/05/2020** (see exceptions in chapter 3 of C10/11 ed 2.1 (01/09/2019)):

If at the time of submission of this homologation application it is not yet possible to submit all the necessary certificates and/or test reports (exception 3), or that the units do not yet have all the required characteristics (exceptions 1 and 2), a **temporary homologation** may be granted. All necessary certificates and/or test reports must be in the possession of Synergrid at the latest on 30/04/2020 in order to obtain a final homologation. If this is not the case, the temporary C10/26 homologation will be withdrawn.

POWER-GENERATING UNITS TO BE HOMOLOGATED FOR LIST C10/26 ACCORDING TO THE REQUIREMENTS OF ANNEX D OF THE TECHNICAL PRESCRIPTION C10/11 ed2.1 (01/09/2019)

2. C10/26 list with power-generating units in accordance with annex D of C10/11 ed2.1 (01/09/2019)

|            |        |     |
|------------|--------|-----|
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|------------|--------|-----|

checklist ed 2.1.2 (12/2019)

| 1              | 2      | 3   | 4          | 5                  | 6   |                            | 8  |  | 10      | 11                 |  |  |   |   |                                      |   | 12  |  |  |  | 13  |              |             | 14 | 15 |                             |                     |
|----------------|--------|-----|------------|--------------------|---|----------------------------|--|--|---------|--------------------|--|--|---|---|--------------------------------------|---|---|--|--|--|-----|--------------|-------------|----|----|-----------------------------|---------------------|
|                |        |     |            |                    | ONLY for units (suitable for) energy storage:<br>Name and reference of the power control system |                            | POWER  |  |         | 1-phase or 3-phase | ADDITIONAL CHARACTERISTICS                             |  |   |   |                                      |   |   | LIMITATIONS  |  |  |     | APPLICATION  |             |    |    | Synergrid approval date     |                     |
|                |        |     |            |                    | power control system type<br>EnFluRI  | other power control system | P <sub>act,r</sub><br>(active)<br>power<br>(W) | S <sub>max</sub><br>maximum<br>apparent<br>power<br>(VA) |         |                    | D.3<br>integrated<br>automatic<br>separation<br>system | D.4:<br>"Type B ready"<br>= suitable for use<br>in installation ≥ 1 MW | D.4.1<br>additional operating frequency range<br>(f <sub>1</sub> , f <sub>2</sub> - f <sub>2</sub> , f <sub>2</sub> ) | D.6.2<br>power response to underfrequency | D.7.2<br>active power reduction (PU) | D.7.1<br>compliant power control system provided (e.g. EnFluRI) | D.4.3<br>only homologated for connection to W-network | D.4.3<br>only homologated for use in module < 800W | D.9.1<br>only homologated as a backup power system according to §2.1.1 | D.9.1<br>only homologated for use in module < 800W | (-) | Solar energy | Wind energy |    |    | CHP (combined heat & power) | Backup power system |
| GLV032-09-0001 | GOODWE | TDS | GW3000T-DS | v1.06.04 or higher |   |                            | 3.000  | 3.000  | 1-phase | X                  | X  | X  | X   | X   | X                                    | X   | X   | X  | X  | X  | X   | X            | X           | X  | X  | 26-7-2022                   |                     |
| GLV032-09-0002 | GOODWE | TDS | GW3600T-DS | v1.06.04 or higher |   |                            | 3.680  | 3.680  | 1-phase | X                  | X  | X  | X   | X   | X                                    | X   | X   | X  | X  | X  | X   | X            | X           | X  | X  | 26-7-2022                   |                     |
| GLV032-09-0003 | GOODWE | TDS | GW4200T-DS | v1.06.04 or higher |   |                            | 4.200  | 4.200  | 1-phase | X                  | X  | X  | X   | X   | X                                    | X   | X   | X  | X  | X  | X   | X            | X           | X  | X  | 26-7-2022                   |                     |
| GLV032-09-0004 | GOODWE | TDS | GW5000T-DS | v1.06.04 or higher |   |                            | 5.000  | 5.000  | 1-phase | X                  | X  | X  | X   | X   | X                                    | X   | X   | X  | X  | X  | X   | X            | X           | X  | X  | 26-7-2022                   |                     |
| GLV032-09-0005 | GOODWE | TDS | GW6000T-DS | v1.06.04 or higher |   |                            | 6.000  | 6.000  | 1-phase | X                  | X  | X  | X   | X   | X                                    | X   | X   | X  | X  | X  | X   | X            | X           | X  | X  | 26-7-2022                   |                     |

EXPLANATIONS FOR THE COMPLETION OF THE TABLE

| Column | Title   | Remarks  |
|--------|---|--|
| 1      | Synergrid reference number (GLVxxx-yy-zzzz)                               | In the case of a positive homologation, each C10/26-homologated power-generating unit is given a unique Synergrid reference number:<br>xxx = unique reference or the manufacturer<br>yy = serial number of manufacturer xxx's record xxx<br>zzzz = unique unit reference for the manufacturer xxx<br><i>Note: "GLV" is the internal Synergrid-abbreviation for Declaration of Conformity, based on the Dutch word "Gelijkvormigheidsverklaring".</i>   |
| 2      | Brand name  | Brand name under which the unit is marketed on the Belgian market.   |
| 3      | Name of the product series  | Name of the product range.<br><i>Note: For each separate product range (for each group of units with common characteristics) a separate checklist according to Appendix D is required (sheet 3) together with the corresponding conformity proof documents.</i>  |
| 4      | Reference of the model / type of the unit                                 | Unique product name or reference. Units of the same product range must be unequivocally distinguished from each other through this name or reference.  |
| 5      | Firmware version  | Reference of the firmware version of the unit.   |
| 6      | power control system type EnFluRI   | This case is only applicable for units (suitable for) energy storage, provided with a power control system of type EnFluRI; Name and reference of the power control system of type EnFluRI, compliant to the requirements in C10/11 ed2.1 (01/09/2019) §4.1.7 and §7.11.2.1  |
| 7      | other power control system  | This case is only applicable for units (suitable for) energy storage, provided with a power control system of another type than EnFluRI; Name and reference of the power control system, compliant to the requirements in C10/11 ed2.1 (01/09/2019) §7.11.2.2  |
| 8      | P <sub>act,r</sub> rated (active) power (W)                               | Active (electrical) power in W at the terminals of the unit, as stated on the technical sheet / data sheet / brochure and nameplate.<br>(For photovoltaic inverters: see also definition in §3.2.5 of IEC 62894 2016-11)   |
| 9      | S <sub>max</sub> - maximum apparent power (VA)                            | Maximum apparent (electrical) power at the terminals of the unit, as stated on the certificate / the test report / the technical sheet / data sheet / brochure.  |
| 10     | 1-phase or 3-phase  | Indicate whether the unit is single- or three-phase. This characteristic refers to the unit itself, not to the nature of the connection to the distribution network to which the unit can be connected.  |
| 11     | Additional characteristics  | In these columns optional additional characteristics of the units are indicated, following the information in checklist annex D and the corresponding technical file.<br>Put an "X" at each relevant additional characteristic.<br><i>Note: Only units &lt; 1 MW that are "type B ready" may be applied in an installation ≥ 1 MW (installation "type B" according to the European Network Code RfG). A unit &lt; 1 MW is only "type B ready" if it complies with all optional properties ticked in column I of the checklist Annex D.</i>   |
| 12     | Limitations   | These columns specify limitations of the units to their application in certain types of installations, in accordance with the information in the checklist in annex D and the corresponding technical file.<br>Put an "X" to each relevant limitation.   |
| 13     | Application   | Indicate the applications for which the unit is suitable.<br>Include an "X" with each application for which the unit can be used.  |
| 14     | Synergrid approval date<br>Temporary homologation (expires on 01/05/2020) | Date on which the submitted homologation file was approved by Synergrid for a limited period of time.<br>- A temporary Homologation is granted if the applicant invokes exceptions in chapter 3 of C10/11 ed2.1 (01/09/2019) and has not yet submitted all the test reports required for a definitive homologation with his homologation application (exception 3), or if the units do not yet have all the required properties (exceptions 1 and 2).<br>- The expiry date for a temporary homologation is 01/05/2020 - see conditions in chapter 3 of C10/11 ed.2.1 (01/09/2019).   |
| 15     | Synergrid approval date<br>Final homologation                             | Date on which the submitted homologation file was definitely approved by Synergrid.<br>- A final approval will be granted as soon as Synergrid has a fully compliant homologation dossier.<br>- A final homologation only remains valid under the following conditions:<br>- No changes that have an influence on the initial approval are made to (the production of) the units.<br>- There is no new edition of prescription C10/11.<br>- The validity date of the test reports in the technical file submitted for approval has not been exceeded.<br>See also the general Synergrid procedure S1/01 for homologation of material, which is applicable. (1) |

(1) - S1/01 Technical specification: procedure for application for homologation and renewal of homologation of materials

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**FINAL  
HOMOLOGATION**

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