| GLV231-05 | Sigenergy | Sigen Energy Controller, Sigen Hybrid Inverter |
|---|---|---|

# C10/26 - DECLARATION OF CONFORMITY for power-generating units

**GLV ed2.1.3 (03/2025)**

**for compliance with annex D "*Technical basic requirements regarding the power-generation units* "of the Synergrid prescription C10/11 ed2.3 (17/10/2024).**

| | | | | |
|---|---|---|---|---|
| The undersigned, | Manufacturer: | SHANGHAI SIGEN NEW ENERGY TECHNOLOGY CO.,LTI | Represented by: | Yang Zhong |
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| | | | Telephone: | +31 0649383218 |

**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 ed2.3 (17/10/2024).

2. In order to substantiate this, a technical file has been submitted for each 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, no additional documents are needed. By signing and dating this declaration of conformity, the manufacturer declares the correctness of the information (compliant / non-compliant / 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 a Shanghai, China (location) | | Homologated by Synergrid on: | 08/12/2025 |
| On: 28/03/2023 (date) | **Digitally signed, see last page** | Stamp Synergrid & signature: | **Digitally signed, see last page** |

**POWER-GENERATING UNITS TO BE HOMOLOGATED FOR THE LIST C10/26 ACCORDING TO THE REQUIREMENTS OF ANNEX D OF THE TECHNICAL PRESCRIPTION C10/11 ed2.3 (17/10/2024)**

**2. C10/26 list with power-generating units in accordance with annex D of C10/11 ed2.3 (17/10/2024)**

| | | |
|---|---|---|
| **GLV231-05** | Sigenergy | Sigen Energy Controller, Sigen Hybrid Inverter |

checklist ed2.1.3 (03/2025)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | | | | | | 12 | | | | 13 | | | | | | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ONLY for units (suitable for) energy storage: Name and reference of the power control system | | POWER | | | ADDITIONAL CHARACTERISTICS | | | | | | | LIMITATIONS | | | | APPLICATION | | | | | | Synergrid approval date | |
| | | | | | | | | | | D.3 | (...) | D.4.1 | D.6.2 | D.7.2 | () | D.7.1 | D.4.3 | D.9.1 | (...) | | | | | | | | |
| **SYNERGRID reference number (GLVxxx-yy-zzzz)** | **BRAND NAME** | **Name of the product SERIES** | **REFERENCE of the model / type of the unit** | **FIRMWARE VERSION** | **power control system type EnFluRi** | **other power control system** | **$P_{ac,r}$ rated (active) power (W)** | **$S_{max}$ maximum apparent power (VA)** | **1-phase or 3-phase** | integrated automatic separation system | "RfG type B ready" = suitable for use in installation ≥ 1MW | additional operating frequency range (51,5 Hz - 52,5 Hz) | power response to underfrequency | active power reduction P(U) | compliant power control system provided (e.g. EnFluRi) | only homologated for "small power-generating installations" | only homologated for connection to HV-network | only homologated for use in module < 800W | only homologated as a backup power system according to §2.1.1 | Solar energy | Wind energy | CHP (combined heat & power) | Energy storage | Backup power system | Other | Additional information | **Synergrid homologation approval date** |
| GLV231-05-0001 | Sigenergy | Sigen Energy Controller | SigenStor EC 30.0 TP BE | V100R001C21 | Sigen Sensor TP-DH, TP-CT120-DH, TP-CT300-DH, TP-CT600-DH | | 30,000 | 30,000 | 3-phase | X | | X | X | X | X | | | | | X | | | X | X | | | 08/12/2025 |
| GLV231-05-0002 | Sigenergy | Sigen Energy Controller | SigenStor EC 30.0 TP | V100R001C21 | Sigen Sensor TP-DH, TP-CT120-DH, TP-CT300-DH, TP-CT600-DH | | 30,000 | 33,000 | 3-phase | | | X | X | X | X | | | | | X | | | X | X | | | 08/12/2025 |
| GLV231-05-0003 | Sigenergy | Sigen Hybrid Inverter | Sigen Hybrid 30.0 TP BE | V100R001C21 | Sigen Sensor TP-DH, TP-CT120-DH, TP-CT300-DH, TP-CT600-DH | | 30,000 | 30,000 | 3-phase | X | | X | X | X | X | | | | | X | | | X | X | | | 08/12/2025 |
| GLV231-05-0004 | Sigenergy | Sigen Hybrid Inverter | Sigen Hybrid 30.0 TP | V100R001C21 | Sigen Sensor TP-DH, TP-CT120-DH, TP-CT300-DH, TP-CT600-DH | | 30,000 | 33,000 | 3-phase | | | X | X | X | X | | | | | X | | | X | X | | | 08/12/2025 |

**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>*Note : "GLV" is the internal Synergrid-abbreviation for Declaration of Conformity, based on the Dutch word "Gelijkvormigheidsverklaring".* |
| 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>Note: For each separate product range (or 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. |
| 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 ed2.3 (17/10/2024) §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 ed2.3 (17/10/2024) §7.11.2.2 |
| 8 | $P_{ac,r}$ 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 | Smax - 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>**Note:** Only units < 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 < 1 MW is only "type B ready" if it complies with all optional properties ticked in column I of the checklist Annex D. |
| 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 | Additional information | Additional information about the application of the unit(s): Plug&play, Suitable for V2G, Generator (gas), Generator (hydro), Generator (diesel), Generator (biomass), … . |
| 15 | Synergrid homologation approval date | Date on which the submitted homologation file was approved by Synergrid.<br>- An approval will be granted as soon as Synergrid has a fully compliant homologation dossier.<br>- A 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, or the homologation remains valid under the most recent edition of the 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.<br>See also the general Synergrid procedure S1/01 for homologation of material, which is applicable. |

*The signatures in this document are legally binding. The document is signed using Penneo™ secure digital signature. The identity of the signers has been recorded, and are listed below.*

*"By my signature I confirm all dates and content in this document."*

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QES