| GLV081-15                             | (brand name) | (series name - one or more series) |  |
|---------------------------------------|--------------|------------------------------------|--|
| C10/26 - DECLAR<br>GLV ed2.1.2 (12/20 |              | ITY for power-generating units     |  |

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)



| The undersigned, | Manufacturer: | Ginlong Technologies Co., Ltd.             | Represented by: | Pan Ruyi             |
|------------------|---------------|--|-----------------|----------------------|
|                  | Address:      | No. 57 Jintong Road, Binhai Industril Park | Country:        | China.               |
|                  |               | Xiangshan, Ningbo, Zhejiang, 31572, China  | email:          | ruyi.pan@ginlong.com |
|                  |               |  | Telephone:      | 57465802188          |

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: Ningbo
On: 2023/1/15
Pan Ruyi
(stamp manufacturer & signature)

Homologated by Synergrid on: 10/01/2023
Stamp Synergrid & signature:
锦浪科技股份有限公司中语Rayensteingalerij 4/2
GINLONG TECHNOLOGIES CO. LTG-1000 BruxeNes/Brussel

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 <u>temporary homologation</u> 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.

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

## 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)

GLV081-15 GINLONG Solis

checklist ed 2 1 2 (12/2019)

| 1   | 2          | 3                             | 4           | 5                   | 6                                       | 7                             | В   | 9  | 10                       |     |  | 11  | 1                                |                             |                          |  | 12  |               |       | 1              | 3        |   | 14                 | 15           |         |
|---|------------|-------------------------------|-------------|---------------------|---|-------------------------------|---|--|--------------------------|-----|--|---|----------------------------------|-----------------------------|--------------------------|--|---|---------------|-------|----------------|----------|---|--------------------|--------------|---------|
|   |            |                               |             |                     |   | ultable for) energy<br>rage:  | PC  | WER  |                          | AD  | DITIONA  | AL CHA  | RACTE                            | ERISTI                      | cs                       | LIMITA   | RIONS   |               | Α     | PPLIC          | ATIO     | V   | Synergrid a        | pproval date |         |
|   |            |                               |             |                     |   | ence of the power<br>I system |   |  |                          | 0.3 | 1  | D.4.1   | D.6.2                            | 0.7.2                       | 0.71                     | D.4.3  | D.9.1   | 0             |       |                | T        |   |                    |              |         |
| SYNERGRID<br>reference number<br>(GLVxxx-yy-zzzz) | BRAND NAME | Name of the product<br>SERIES |             | FIRMWARE<br>VERSION | power control<br>system type<br>EnFluRi | other power<br>control system | P <sub>so.</sub> ,<br>rated<br>(active)<br>power<br>(W) | S <sub>max</sub> maximum apperent power (VA) | 1-phase<br>or<br>3-phase | 1.5 | "RfG type B ready" = suitable for use in installation > 1MVV | edditional operating frequency range<br>(51,5 Hz - 52,5 Hz) | power response to underfrequency | active power reduction P(U) | generating installations | only homologated for use in module < 800W only homologated for onnaction to HV-network mologated for "small power lengthing installations" illent power control system | only homologated as a backup power system according to §2.1.1 | Solar energy  | d hea | Energy storage |          | Temporary homologation<br>(expires on 01/06/2020) | Final homologation |              |         |
|   | Solis      | S5-GC(80-110)K                | S5-GC80K    | 32                  |   |                               | 80000   | 88000  | 3-phase                  | _   | - 2  | - 0   |                                  | x                           | _                        | 1  |   | -             | ×     | +              | +        | +   |                    |              |         |
|   | Solis      | S5-GC(80-110)K                | S5-GC100K   | 32                  |   |                               | 100000  | 110000                                       | 3-phase                  | +   |  |   |                                  | X                           | _                        | 1  |   |               | x     | $\vdash$       | $\dashv$ | 1   |                    |              |         |
|   | Solis      | S5-GC(80-110)K                | S5-GC110K   | 32                  |   |                               | 110000  | 121000                                       | 3-phase                  | 1   |  |   | -                                | X                           | _                        | 1  | $\vdash$  |               | x     | $\vdash$       | $\neg$   |   |                    |              |         |
|   | Solis      | \$5-GC(50-60)K-LV             | S5-GC50K-LV | 32                  |   |                               | 50000   | 55000  | 3-phase                  | 1   |  |   |                                  | x                           | _                        | 1  | $\vdash$  |               | x     | Н              | _        |   |                    |              |         |
|   | Solis      | S5-GC(50-60)K-LV              | S5-GC60K-LV | 32                  |   |                               | 60000   | 66000  | 3-phase                  | I   |  |   |                                  | х                           | $\perp$                  |  |   |               | x     | $\Box$         |          |   |                    |              |         |
|   |            |                               |             |                     |   |                               |   | +  | -                        | +   | +  | +   | -                                | +                           | +                        | +-   | $\vdash$  | -             | -     | Н              | +        | +   |                    |              |         |
|   |            |                               |             |                     |   |                               |   |  |                          | +   |  | -   | -                                | +                           | +                        | 1  | $\vdash$  | $\rightarrow$ | +     | +              | +        | +   |                    |              |         |
|   |            |                               |             |                     |   |                               |   |  |                          | 1   | +  |   |                                  |                             | +                        | +  |   | $\neg$        | +     | +              |          |   |                    |              |         |
|   |            |                               |             |                     |   |                               |   |  |                          | +   |  |   | #                                | 1                           |                          | 1  | H   |               | 1     | Ħ              | \$       | YN  | ERGRI              | D a.s.b,     | v       |
|   |            |                               |             |                     |   |                               |   |  |                          | 1   |  |   |                                  | _                           |                          |  |   | -             | _     | $\vdash$       | 35       | eri   | a Rayo             | isteing      | <br>ala |
|   |            |                               |             |                     |   |                               |   | 1  | 1                        | _   | +  |   | -                                | _                           | _                        | 1  | -   | _             | _     | H              | -4       | 411   | CINCIVE            | y Stelling   | are     |

## EXPLANATIONS FOR THE COMPLETION OF THE TABLE

| Column                         | Title                         | Remarks  |
|--------------------------------|-------------------------------|--|
|                                |                               | In the case of a positive homologation, each C10/26-homologated power-generating unit is given a unique Synergrid reference number:  |
| SYNERGRID reference            |                               | xxx = unique reference or the manufacturer   |
| 1                              | number                        | yy = serial number of manufacturer xxx's record xxx  |
|                                | (GLVxxx-yy-zzzz)              | zzzz = unique unit reference for the manufacturer xxx  |
|                                |                               | 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,   |
|                                |                               | Name of the product range.   |
| 3                              | Name of the product series    | 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 /      | Unique product name or reference. Units of the same product range must be unequivocally distinguished from each other through this name or reference.  |
|                                | type of the unit              | onique product name or reference, orms or the same product range most be direquivocally distinguished from each other infough this name or reference,  |
| 5                              | [Firmware version             | Reference of the firmware version of the unit.   |
| 6                              | power control system type     | 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 |
|                                | EnFluRi                       | 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    |
|                                | other power control system    | requirements in C10/11 ed2.1 (01/09/2019) 67.11.2.2  |
| В                              | Pac, 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  |
| o Pac, rated (active) power (w |                               | (For photovoltaic inverters: see also definition in §3.2.5 of IEC 62894 2016-11)   |
| 0                              | Smax - maximum apparent       | Maximum apparent (electrical) power at the terminals of the unit, as stated on the certificate / the test report / the technical sheet / data sheet / brochure.  |
|                                | power (VA)                    | resources apparent (electrical) power of the terminals of the unit, as stated on the tertificate / the test report / the technical sheet / data sheet / prochure.  |
| 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 te Put an "X" at each relevant additional characteristic.  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 Cowith 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, Put an "X" to each relevant limitation.  |  |  |  |  |  |
| 13 | Application  | Indicate the applications for which the unit is suitable, Include an "X" with each application for which the unit can be used.   |  |  |  |  |  |
| 14 | Synergrid approval date<br>Temporary homologation<br>(expires on 01/05/2020) | Date on which the submitted homologation file was approved by Synergrid for a limited period of time.  - A temporary homologation is granted if the applicant invokes exceptions in chapter 3 of C10/11 ed.2.1 (01/09/2019) and has not yet submitted all the his homologation application (exception 3), or if the units do not yet have all the required properties (exceptions 1 and 2),  - 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).   | e test reports required for a definitive homologation with |  |  |  |  |
| 15 | Synergrid approval date<br>Final homologation                                | Date on which the submitted homologation file was definitely approved by Synergrid.  - A final approval will be granted as soon as Synergrid has a fully compliant homologation dossier.  - A final homologation only remains valid under the following conditions:  - No changes that have an influence on the initial approval are made to (the production of) the units.  - There is no new edition of prescription CIO/11.  - The validity date of the test reports in the technical file submitted for approval has not been exceeded.  See also the general Synergrid procedure SI/01 for homologation of material, which is applicable. (1) | SYNERGRID a.s.b.l.   |  |  |  |  |

[1] -51/01 Technical specification: procedure for application for homologation and renewal of homologation of materials

SYNERGRID a.s.b.l.-v.z.w.

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