| GLV | 081-03 | GINLONG | Solis |
|---------|----------------------------------|----------------------|--|
| | 26 - DECLARA ed2.1.2 (12/2019 | | MITY for power-generating units |
| for the | e application of | annex D "Technical b | asic requirements regarding the power-generation |



| 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, Lland M of this checkist.
 - 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/oncertificate. 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.

Initial homologation on 27/11/2020,

Done at: Ningbo

On:

2023/4/17

Pan Ruyi

units" of the Synergrid prescription C10/11 ed2.1 (01/09/2019)

(stamp manufacturer & signature)

Homologated by Synergrid on: Stamp Synergrid & signature:

update on 24/04/2023 - correction

Smax of some units

锦浪科技股份有限公司 GINLONG TECHNOLOGIES CO., LTD. _

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.

^{*} 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)

checklist ed 2.1.2 (12/2019)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 | | | | | 12 | | | : | 13 | | 14 | 15 |
|---|------------|-------------------------------|---|---------------------|---|--------------------------------------|--|--|--------------------------|--|----------|--|------------------|---|--|--------------------------|---|----------------------------------|--------------|---|-------|---------------------------|---|--------------------|
| | | | | | | uitable for) energy | PO | WER | | ADD | ITIONA | L CHA | RACTE | RIST | cs | ШМП | TATION | s | | APPLI | CATIC | N | Synergrid a | pproval date |
| | | | | | Name and refere | rage: ence of the power system | | | | D,3 | ĵ. | D.4.1 | D.6.2 | D.7.2 | D.7.1 | D.4.3 | D.9.1 | 1 | | | | | | PAT |
| SYNERGRID reference number (GLVxxx-yy-2222) | 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,s} rated (active) power (W) | S _{max} maximum apparent power (VA) | 1-phase or 3-phase | integrated automatic separation system | - 5 | additional operating frequency range (51.5 Hz - 52.5 Hz) | ponse to underfi | provided (e.g. EnFluRi) active power reduction P(U) | generating installations" compliant power control system | connection to HV-network | only homologated for use in module < 800W | power system according to §2.1.1 | Solar energy | CHP (combined heat & power) Wind energy | | Other Backup power system | Temporary homologation (expires on 01/05/2020) | Final homologation |
| | Solis | RHI-(3~5)K-48ES-5G | RHI-3K-48ES-5G | V1D | | | 3000 | 3300 | 1-phase | × | | | × | х | | | | | × | | x : | × | | |
| | Solis | RHI-(3~5)K-48ES-5G | RHI-3,6K-48ES-5G | V1D | | | 3600 | 4000 | 1-phase | х | | | х | x | | | | | × | | × | x | | |
| | Solis | RHI-(3~5)K-48ES-5G | RHI-4.6K-48ES-5G | V1D | | | 4600 | 4600 | 1-phase | × | | | х | х | | | | | × | | × | x | | |
| | Solis | RHI-(3~5)K-48ES-5G | RHI-5K-48ES-5G | V1D | | | 5000 | 5500 | 1-phase | × | П | | х | х | | | | | × | | × | × | | |
| | Solis | RHI-(3~5)K-48ES | RHI-3K-48ES | V1B | | | 3000 | 3300 | 1-phase | Х | | | х | х | | | | | × | | × | x | | |
| | Solis | RHI-(3~5)K-48ES | RHI-3,6K-48ES | V1B | | | 3600 | 4000 | 1-phase | Х | | | х | х | | | | | x | | × | x | | |
| | Solis | RHI-(3~5)K-48ES | RHI-4.6K-48ES | V1B | 1 | | 4600 | 4600 | 1-phase | X | | | х | X | | | | | x | | - | × | | |
| | Solis | RHI-(3~5)K-48ES | RHI-5K-48ES | V1B | | | 5000 | 5500 | 1-phase | Х | | | X | X | | | | | × | | - | x | | |
| | Solis | RAI-3K-48ES-5G | RAI-3K-48ES-5G | V06 | | | 3000 | 3300 | 1-phase | Х | | | x | X | 4 | _ | _ | _ | × | _ | × | X | | |
| | | | | | | | | | | | \vdash | | - | - | - | + | +- | \vdash | S | /NE | R | SRII | a.s.b. | -V.Z.W. |
| | | | | | | | | | - | - | | | + | \dashv | -1- | + | + | | 52 | erie | R | ave | a.s.b. steing xelles/ | alerij 4 |
| | | | | | - | | | | - | + | + | - | \rightarrow | + | | + | + | - | 5 | KC | nn | | vallasi | Rrucco |

锦浪科技股份有限公司

| GLV081-11 | GINLONG | Solis | |) | |
|---|--|--|-----------------|----------------------|---------|
| C10/26 - DECLAR/ GLV ed2.1.2 (12/201 | ATION OF CONFORMI (9) | TY for power-generating units | <u>.</u> | Synergrid | |
| | f annex D "Technical basic scription C10/11 ed2.1 (01 | c requirements regarding the power-generation un L/09/2019) | its" | ogner grid | |
| 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: | 57469 | 5802188 |

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 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 Homologated by Synergrid on: 06/12/2027 On: 2022/11/25 Stamp Synergrid & signature: Pan Ruvi (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)

GLV081-11 GINLONG Solis

checklist ed 2.1.2 (12/2019)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | 11 | | | | 12 | - | Т | _ | 13 | 1.0 | 14 | 15 |
|---|------------|-------------------------------|---|---------------------|---|---|--|--|--------------------------|--|-----------------------|--|-------|-----------------------------|--|------------------------------------|----------------------|----------------------------------|--------------|-------------------------|----------------|---------------------|--|--------------------|
| 15768 | | 100 | | 7 | | (suitable for) energy | | WER | | ADD | OITION | VAL CH | _ | TERIS | ncs | LIM | TATIO | NS | + | APPL | _ | ON | Synergrid at | |
| 1 1 2 | | | | | Name and refe | orage: rence of the power ol system | | | | 0,3 | î | 0.4.1 | D.6.2 | D.7.2 | 0 | D.7.1 | | E | | П | | | | |
| 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 | in installation > 1MW | operating frequences, 51,5 Hz - 52,5 Hz) | spor | active power reduction P(U) | compliant power control system provided (e.g. EnFluRi) | only homologated for "small power- | only homologated for | power system according to §2.1.1 | Solar energy | Wind energy Vind energy | Energy storage | Backup power system | Temporary homologation (expires on 01/05/2020) | Final homologation |
| GLV081-11-0001 | Solis | S5-EH1P(3-6)K-L | S5-EH1P3K-L | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 3,000 | 3,300 | 1-phase | × | | | x | × | | | | | x | | x | x | | |
| GLV081-11-0002 | Solis | S5-EH1P(3-6)K-L | S5-EH1P3.6K-L | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 3,600 | 4,000 | 1-phase | × | | | × | x | | | | | × | | x | x | | |
| GLV081-11-0003 | Solis | S5-EH1P(3-6)K-L | S5-EH1P4,6K-L | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 4,600 | 4,600 | 1-phase | x | | | x | x | | | | | × | | x | × | | |
| GLV081-11-0004 | Solis | S5-EH1P(3-6)K-L | S5-EH1P5K-L | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 5,000 | 5,500 | 1-phase | × | | | x | × | | | | | × | | x | × | | |
| | Solis | S5-EH1P(3-6)K-L | S5-EH1P3K-L-8E | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 3,000 | 3,300 | 1-phase | x | | | x | × | | | | | × | | × | × | | |
| | Solis | S5-EH1P(3-6)K-L | S5-EH1P3.6K-L-BE | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 3,600 | 4,000 | 1-phase | x | | | x | × | | | | | × | | x | × | | |
| | Solis | S5-EH1P(3 - 6)K-L | S5-EH1P4.6K-L-BE | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | | 4,600 | 4,600 | 1-phase | x | | | × | x | | | | | × | | × | × S` | NERG | RID a |

FINAL

Galerie Ravens: BE-1000 Brux T.V.A./B.T.W: 锦浪科技股份有限公司

CIGIZE - homologation - 2. list of power-generating unitsed 2.1.2 (12/2019) on the basis of CIG/21 ed. 2.1 (01) GIALONG TECHNOLOGIES CO., LTD.

| Solis | \$5-EH1P(3-6)K-L | S5-EH1P5K-L-BE | V2F | SDM630MCT SDM120CTM ACR10R-D16TE ACR10R- D16TE4 | 5,000 | 5,000 | 1-phase | x | | x | x | | × | | × | × | | |
|-------|------------------|----------------|-----|---|-------|-------|---------|---|---|---|---|---|---|------|----|---|-------|---------|
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Ħ | | | | | 1 | | | Ħ | | |
| | | | | | | | | | + | | | + | + | + \$ | YN | E | RID a | .s.b.lv |

Galerie Ravensteingalerij 4/2 BE-1000 Bruxelles/Brussel T.V.A.IS.T.V. BE 0402.958.091



| GLV 081-07 | GINLONG | Solis | | |
|--------------------------------------|---|---|-----------------|--------------------|
| C10/26 - DECLA GLV ed2.1.2 (12/20 | RATION OF CONFORM | ITY for power-generating units | ·/ | Synergrid |
| | of annex D "Technical bas grid prescription C10/11 e | sic requirements regarding the power-generation ed2.1 (01/09/2019) | | ogner grid |
| The undersigned, | Manufacturer: Address: | Ginlong Technologies Co., Ltd. No. 57 Jintong Road, Binhai Industril Park | Represented by: | Pan Ruyi China. |

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:

Xiangshan, Ningbo, Zhejiang, 31572, China

- 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.

email:

Telephone:

ruyi.pan@ginlong.com

57465802188

- 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 certificate 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: 2023/4/17
Pan Ruyi
(stamp manufacturer & signature)

Ningbo

Pan Ruyi
(stamp manufacturer & signature)

Initial homologation on 20/04/2021,

Homologated by Synergrid on: update on 24/04/2023 – correction Smax of RHI)3P(5-10)K-HVES-5G

RHI)3P(5-10)K-HVES-5G

Galerie Rayensteingalerij 4/2

GINLONG TECHNOLOGIES CO | TD | BE-1000 Bruxeries 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.

^{*} 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 C10/25 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)

[GLV () 8] - () 7 | Ginlong | Solis |

checklist ed 2.1.2 (12/2019)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | 11 | | | | _ 1 | 2 | | | | 13 | 5.5 | 14 | 15 |
|---|------------|-------------------------------|---|---------------------|---|------------------------------------|--|--|--------------------------|-----------------------------|---------------------------|------------|----------------------------------|-----------------------------|--|---|--|---|---|--------------|--|----------|---------------------|--|--------------------|
| | | | T | | | ultable for) energy | PO | WER | | ADD | OITK | NAL CI | HARA | CTERIS | STICS | L | IMITA | TIONS | S | | APPL | CATI | N | Synergrid a | pproval date |
| | | | | | | age: nce of the power system | | | | D.3 | 1 | D.4.1 | D,6.2 | D.7.2 | 0 | D.7.1 | D.4.3 | D.9,1 | Ξ | | | | | | |
| SYNERGRID eference 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.1} rated (active) power (W) | S _{mas} maximum apparent power (VA) | 1-phase or 3-phase | automatic separation system | use in installation ≥ 1MW | (51,5 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 | CHP (combined heat & power) Wind energy | Ene | Backup power system | Temporary homologation (expires on 01/05/2020) | Final homologation |
| | Solis | RHI-3P(5-10)K-HVES- 5G | RHI-3P5K-HVES-5G | V34 | SDM630M SDM630MCT ACR10R- D16TE4 Solis-EPM3-5G- PLUS | | 5000 | 5500 | 3-phase | x | | | × | | | | | | | x | | × | x | | |
| | Solis | RHI-3P(5-10)K-HVES- 5G | RHI-3P6K-HVES-5G | V34 | SDM630M SDM630MCT ACR10R- D16TE4 Solis-EPM3-5G- PLUS | | 6000 | 6600 | 3-phase | x | | | × | x | | | | | | × | | × | x | | |
| | Solis | RHI-3P(5-10)K-HVES- 5G | RHI-3P8K-HVES-5G | V34 | SDM630M SDM630MCT ACR10R- D16TE4 Solis-EPM3-5G- PLUS | | 8000 | 8800 | 3-phase | x | | | × | × | | | | | | × | | × | x | | |
| | Solis | RHI-3P(5-10)K-HVES- 5G | RHI-3P10K-HVES-5G | V34 | SDM630M SDM630MCT ACR10R- D16TE4 Solis-EPM3-5G- PLUS | | 10000 | 10000 | 3-phase | × | | | × | x | | | | | | × | | × | k | | |
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锦浪科技股份有限公司

cd2,1.2 (12/2019) on the basis of C10/16 CMLONG 19) TECHNOLOGIES CO., LTD.