GLV048-21	KSTAR	BlueSpark

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

GLV ed2.1.4 (10/2025)

for compliance with annex D "*Technical basic requirements regarding the power-generation units* "of the Synergrid prescription C10/11 ed2.4 (15/10/2025).

The undersigned,	Manufacturer:	Shenzhen Kstar New Energy Company Limited	Represented by:	Li ZhiRong
	Address:	The 9th Floor, R&D Building, Kstar Industrial Park,	Country:	China
		Guangming Hi-tech Industrial Zone, 518107 Shenzhen	email:	technical@kstar.com
	Country:	China	Telephone:	86 15875598363

Hereby declares that each production unit completed in the list in tab 2 '*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 ed2.4 (15/10/2025).

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.

Manufacturer's signature:	**Digitally signed, see last page**	Homologated by Synergrid on:	02/12/2025
		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 ed2.4 (15/10/2025)

2. C10/26 list with power-generating units in accordance with annex D of C10/11 ed2.4 (15/10/2025)

GLV048-21	KSTAR	BlueSpark

checklist ed2.1.4 (10/2025)

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							
										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	Only for "Small" storage PGU's : Power control system type EnFluRi (name), and/or use of P1 port of smart meter of DSO (indication "P1").	All other (bigger) storage PGU's : Other power control system (name)	$P_{ac,r}$ rated (active) power (W)	S_{max} maximum apparent power (VA)	1-phase or 3-phase	integrated automatic separation system	RfG type B or "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
GLV048-21-0001	KSTAR	BlueSpark	E4KT-D22	V1.0.00	DTSU666, SDM630MCT		4,000	4,400	3-phase	X		X	X	X	X					X			X	X			02/12/2025
GLV048-21-0002	KSTAR	BlueSpark	E5KT-D22	V1.0.00	DTSU666, SDM630MCT		5,000	5,500	3-phase	X		X	X	X	X					X			X	X			02/12/2025
GLV048-21-0003	KSTAR	BlueSpark	E6KT-D22	V1.0.00	DTSU666, SDM630MCT		6,000	6,600	3-phase	X		X	X	X	X					X			X	X			02/12/2025
GLV048-21-0004	KSTAR	BlueSpark	E8KT-D22	V1.0.00	DTSU666, SDM630MCT		8,000	8,800	3-phase	X		X	X	X	X					X			X	X			02/12/2025
GLV048-21-0005	KSTAR	BlueSpark	E10KTBE-D22	V1.0.00	DTSU666, SDM630MCT		10,000	10,000	3-phase	X		X	X	X	X					X			X	X			02/12/2025
GLV048-21-0006	KSTAR	BlueSpark	E10KT-D22	V1.0.00	DTSU666, SDM630MCT		10,000	11,000	3-phase	X		X	X	X	X					X			X	X			02/12/2025
GLV048-21-0007	KSTAR	BlueSpark	E12KT-D22	V1.0.00	DTSU666, SDM630MCT		12,000	13,200	3-phase	X		X	X	X	X					X			X	X			02/12/2025

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: xxx = unique reference or the manufacturer yy = serial number of manufacturer xxx's record xxx 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.
3	Name of the product series	Name of the product range. 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 §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 §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. (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. 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 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. 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	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. - An approval will be granted as soon as Synergrid has a fully compliant homologation dossier. - A 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 C10/11, or the homologation remains valid under the most recent edition of the prescription C10/11. - The validity date of the test reports in the technical file submitted for approval has not been exceeded. See also the general Synergrid procedure S1/01 for homologation of material, which is applicable. See also the general Synergrid procedure S1/01 for homologation of material, which is applicable.

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