

GLV020-16	SAT	HS2 series and AS2 series	
C10/26 - DECLARATION OF CONFORMITY for power-generating units GLV ed2.1.2 (12/2019)			
for the application of annex D "Technical basic requirements regarding the power-generating units" of the Synergrid prescription C10/11 ed2.1 (01/09/2019)			

The undersigned,	Manufacturer:	Guangzhou Sanjing Electric Co., Ltd.	Represented by:	Guangquan. Pan
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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.



Done at: Guangzhou
 On: 20.2.2023
 (stamp manufacturer & signature)



Homologated by SYNERGRID a.s.b.l. - 21/03/2023
 Stamp Synergrid: Galerie Ravensteingalerij 4/2
 BE-1000 Bruxelles/Brussel
 T.V.A./B.T.W. BE 0402.958.091

*** 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.

C10/26 - homologation - 1. GLV
 ed2.1.2 (12/2019) on the basis 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)

GLV020-16 SAJ AS2 series and AS2 series
 checklist ed 2.1.2 (12/2019)

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 units (suitable for) energy storage: 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 EnFuRt	other power control system	P _{rated} (active) power (W)	S _{max} maximum apparent power (VA)		D 3 () automatic recognition by the integrated microcontroller	D 4 1 () RIG type B ready - suitable for use in installation & HW	D 6 2 () power response to underfrequency additional operating frequency range -51.5 Hz - 52.5 Hz	D 7 2 () active power reduction (PV)	D 7 1 () compliant power control system (avoided e.g. EnFuRt)	D 4 3 () only homologated for "small power" generation installations connection to HV network	D 6 1 () only homologated for use in module < 800W	() only homologated as a backup power system according to 12.1.1	Solar energy	Wind energy	CHP (combined heat & power)	Backup power system Energy storage	Temporary homologation (expires on 01/06/2020)	Final homologation
GLV020-16-0001	SAJ	HS2 series	HS2-3K-S2	V1.010 Display	Smart meter DDSU666		3000	3300	1-phase	X		X	X	X			X	X					
GLV020-16-0002	SAJ	HS2 series	HS2-3.6K-S2	V1.010 Display	Smart meter DDSU666		3680	3680	1-phase	X			X	X	X			X	X				
GLV020-16-0003	SAJ	HS2 series	HS2-4K-S2	V1.010 Display	Smart meter DDSU666		4000	4400	1-phase	X			X	X	X			X	X				
GLV020-16-0004	SAJ	HS2 series	HS2-4.6K-S2	V1.010 Display	Smart meter DDSU666		4600	4600	1-phase	X			X	X	X			X	X				
GLV020-16-0005	SAJ	HS2 series	HS2-5K-S2-B	V1.010 Display	Smart meter DDSU666		5000	5000	1-phase	X			X	X	X			X	X				
GLV020-16-0006	SAJ	HS2 series	HS2-5K-S2	V1.010 Display	Smart meter DDSU666		5000	5500	1-phase	X			X	X	X			X	X				
GLV020-16-0007	SAJ	AS2 series	AS2-3K-S	V1.010 Display	Smart meter DDSU666		3000	3300	1-phase	X			X	X	X				X				
GLV020-16-0008	SAJ	AS2 series	AS2-3.6K-S	V1.010 Display	Smart meter DDSU666		3680	3680	1-phase	X			X	X	X				X				
GLV020-16-0009	SAJ	AS2 series	AS2-4K-S	V1.010 Display	Smart meter DDSU666		4000	4400	1-phase	X			X	X	X				X				
GLV020-16-0010	SAJ	AS2 series	AS2-4.6K-S	V1.010 Display	Smart meter DDSU666		4600	4600	1-phase	X			X	X	X				X				
GLV020-16-0011	SAJ	AS2 series	AS2-5K-S-B	V1.010 Display	Smart meter DDSU666		5000	5000	1-phase	X			X	X	X				X				
GLV020-16-0012	SAJ	AS2 series	AS2-5K-S	V1.010 Display	Smart meter DDSU666		5000	5500	1-phase	X			X	X	X				X				

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EXPLANATIONS FOR THE COMPLETION OF THE TABLE

Column	Title	Remarks
1	SYNERGRID reference number (GL/xxx-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 of the manufacturer; yy = serial number of manufacturer xxx's record xxx; zzzz = unique unit reference for the manufacturer xxx. <i>Note: "GL" is the internal Synergrid abbreviation for Declaration of Conformity, based on the Dutch word "Gelijkwaardigheidsverklaring".</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. 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: Inverter	This case is only applicable for units (suitable for) energy storage, provided with a power control system of type Inverter. Name and reference of the power control system of type Inverter, compliant to the requirements in C10/11 ed2.1 (01/09/2019) § 1.1.7 and § 7.1.3.1.
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 Inverter. Name and reference of the power control system, compliant to the requirements in C10/11 ed2.1 (01/09/2019) § 7.1.2.2.
8	P _{act} , rated (active), (W)	Active (electrical) power in W at the terminals of the unit, as stated on the technical sheet / data sheet / brochure and nameplate.
9	S _{max} = 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 1 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 Temporary homologation (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 ed2.1 (01/09/2019) and has not yet submitted all the test reports required for a definitive homologation with his homologation application (exception 1), 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 ed2.1 (01/09/2019).
15	Synergrid approval date Final homologation	Date on which the submitted homologation file was definitively 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 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. (1)

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GL = SI, GL Technical specification, procedure for application for homologation and removal of homologation of materials

C10/26 homologation - 2. List of power-generating units
ed2.1.2 (12/2019) on the basis of C10/11 ed2.1 (01/09/2019)

**FINAL
HOMOLOGATION**