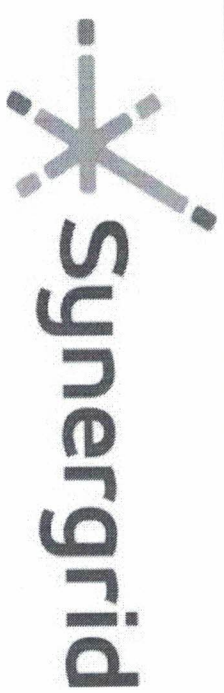


GLV 006-01

- SBX-x-1VL-40
- SBX-x-1AV-41
- STPx-x-3AV-40
- STPxX000TL-30
- STP50-40
- STP60-10
- SHP75-10
- SHP100-20\_SHP150-20
- SBSx-x-10
- Six\_xM\_H-13

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



The undersigned, Manufacturer: Address:	SMA Solar Technology AG Sonnenallee1, D-34266 Niestetal  Represented by: Country: email: Telephone:
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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.

**FINAL HOMOLOGATION**

Done at: Niestetal, Germany - SMA Solar Technology AG

On: 2020-08-26

*Sven Bremicker*

i. V. Sven Bremicker  
Head of Technology Development Center

Homologated by Synergrid on: 31/08/2020  
Stamp Synergrid & signature:

*Synergrid 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.

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*Synergrid Signature*

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GLV	SRxx-1VL-40 SRxx-1AV-41 STPx-3AV-40 STPxx00TL-30 STP50-40 STP60-10 SHP75-10 SHP100-20, SHP150-20 SRxx-x-10 SRxx_M_H-13
006-0/A	
SMA	

checklist ed 2.1.2 (12/2019)

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)

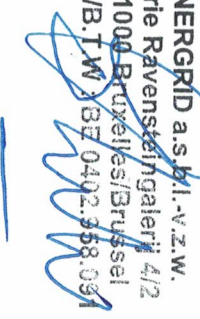
1	2	3	4	5	6		8		10	11							13				14	15		
					ONLY for units (suitable for) energy storage: Name and reference of the power control system	other power control system	P <sub>act</sub> (rated) power (W)	S <sub>max</sub> maximum apparent power (VA)		1-phase or 3-phase	D.3	D.4.1	D.6.2	D.7.2	D.7.1	D.4.3	D.9.1	Solar energy	Wind energy	CHP (combined heat & power)			Energy storage	Backup power system
GLV006-01-0001	SMA	Sunny Boy	SB1.5-1VL-40	V3.10 and higher			1500		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0002	SMA	Sunny Boy	SB2.0-1VL-40	V3.10 and higher			2000		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0003	SMA	Sunny Boy	SB2.5-1VL-40	V3.10 and higher			2500		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0004	SMA	Sunny Boy	SB3.0-1AV-41	V3.10 and higher			3000		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0005	SMA	Sunny Boy	SB3.5-1AV-41	V3.10 and higher			3680		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0006	SMA	Sunny Boy	SB4.0-1AV-41	V3.10 and higher			4000		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0007	SMA	Sunny Boy	SB5.0-1AV-41	V3.10 and higher			5000		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0008	SMA	Sunny Boy	SB6.0-1AV-41	V3.10 and higher			6000		1-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0009	SMA	Sunny Tripower	STP3.0-3AV-40	V3.10 and higher			3000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0010	SMA	Sunny Tripower	STP4.0-3AV-40	V3.10 and higher			4000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0011	SMA	Sunny Tripower	STP5.0-3AV-40	V3.10 and higher			5000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0012	SMA	Sunny Tripower	STP6.0-3AV-40	V3.10 and higher			6000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0013	SMA	Sunny Tripower	STP8.0-3AV-40	V3.10 and higher			8000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0014	SMA	Sunny Tripower	STP10.0-3AV-40	V3.10 and higher			10000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0015	SMA	Sunny Tripower	STP 15000TL-30	V3.10.00.R and higher			15000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0016	SMA	Sunny Tripower	STP 12000TL-30	V3.10.00.R and higher			12000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0017	SMA	Sunny Tripower	STP 20000TL-30	V3.10.00.R and higher			20000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	
GLV006-01-0018	SMA	Sunny Tripower	STP 25000TL-30	V3.10.00.R and higher			25000		3-phase	X	X	X	X	X	X	X	X	X	X	X	X		21.02.2020	

GLV006-01-0019	SMA	Sunny Tripower	STP50-40	V3, 10, 00, R and higher	SMA Energy Meter or Sunny Home Manager	60000	50000	3-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0020	SMA	Sunny Tripower	STP 60-10	V2, 20 and higher	SMA Energy Meter or Sunny Home Manager	99000	60000	3-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0021	SMA	Sunny Highpower	SHP 75-10	V2, 00 and higher	SMA Energy Meter or Sunny Home Manager	76000	75000	3-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0022	SMA	Sunny Highpower	SHP 150-20	3, 10, 00, R and higher	SMA Energy Meter or Sunny Home Manager	140000	150000	3-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0023	SMA	Sunny Highpower	SHP 100-20	3, 10, 00, R and higher	SMA Energy Meter or Sunny Home Manager	139999	100000	3-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0025	SMA	Sunny Boy Storage	SSS3 7-10	V3, 10, 00, R and higher	SMA Energy Meter or Sunny Home Manager	9200	3680	1-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0026	SMA	Sunny Boy Storage	SSS5, 0-10	V3, 10, 00, R and higher	SMA Energy Meter or Sunny Home Manager	6000	5000	1-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0027	SMA	Sunny Boy Storage	SSS6, 0-10	V3, 10, 00, R and higher	SMA Energy Meter or Sunny Home Manager	5300	3300	1-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0028	SMA	Sunny Island	SI4-4M-13	V03, 20 and higher	SMA Energy Meter or Sunny Home Manager	4600	4600	1-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0029	SMA	Sunny Island	SI6-0H-13	V03, 20 and higher	SMA Energy Meter or Sunny Home Manager	4600	4600	1-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020
GLV006-01-0030	SMA	Sunny Island	SI8-0H-13	V03, 20 and higher	SMA Energy Meter or Sunny Home Manager	6000	6000	1-phase	X	X	X	X	X	X	X	X	X	X	X	21.02.2020

**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 = serial number of the manufacturer, yy = serial number of manufacturer xxx's record xxx, zzzz = unique unit reference for the manufacturer xxx. <i>Note: "GLV" is the internal Synergrid abbreviation for designation of conformity, based on the Dutch word "Gelijkvormigheidsverklaring".</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. <i>Note: For each separate product range (for 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.</i>
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 (EriFURL)	This case is only applicable for units (suitable for energy storage, provided with a power control system of type EriFURL) Name and reference of the power control system of type EriFURL, compliant to the requirements in C10/11 ed2, 1 (01/09/2019) 64.1 and 62.11.1.2.
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 EriFURL) Name and reference of the power control system, compliant to the requirements in C10/11 ed2, 1 (01/09/2019) 67, 11.2.3.
8	P <sub>act</sub> (rated (active) power (W))	Active (electrical) power in W at the terminals of the unit, as stated on the technical sheet / data sheet / brochure.
9	P <sub>max</sub> (maximum apparent power (VA))	For photovoltaic inverters: see also definition in §3.2.5 of IEC 62933-2:016-11]. 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. <i>Note: Only units &lt; 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 &lt; 1 MW is only "Type B ready" if it complies with all optional properties ticked in column 14 of the checklist Annex D.</i>
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.

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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 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).
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]

[1] - S1/01 Technical specification: procedure for application for homologation and renewal of homologation of materials

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