

INFO 02.2023: Synergrid corrective action for the C10/26 list (firmware limitations S_{max})

Since the release of the [technical prescription C10/11](#) at the end of 2019, the C10/26 homologation procedure was updated, and the [C10/26 list](#) now contains over 3,600 units (inverters for solar panels and/or batteries, diesel generators, bidirectional charging infrastructure for electric vehicles, CHPs, wind turbines, ...).

Through questions and complaints from various parties, we unfortunately found that for a number of cases, the maximum apparent power (S_{max} in VA) specified by the manufacturer at the time of the homologation request is wrong. It does not correspond to the actual maximum apparent power of the units but is based on an unauthorised firmware or software limitation through a specific setting for Belgium, also refer to C10/11 §4.1.8:

Any limitation of the maximum power (e.g. by software of firmware) to a value other than the one indicated on the nameplate and/or in the data sheet, is not considered to determine the maximum power of a power-generating unit.

For example:

Uitgang (op net)						
Netverbinding	Drie fase					
Nominaal uitgangsvermogen	3,000 W	4,000 W	5,000 W	6,000 W	8,000 W	10,000 W
Max. uitgangsvermogen	3,300 VA	4,400 VA	5,500 VA	6,600 VA	8,800 VA	11,000 VA ⁴
Nominale netspanning	220 Vac / 380 Vac, 230 Vac / 400 Vac, 3W / N+PE					

The limited apparent power of above inverter is 10 kVA, but its maximum power is still 11kVA.

Corrective action Synergrid – deadline 15/05/2023

Synergrid checked the declared values for maximum apparent power (S_{max} - column J in the C10/26 list) for the entire C10/26 list. All files with errors were identified, and all 17 concerned manufacturers were written to by Synergrid on 24/02/2023. Units for which Synergrid did not receive a proper correction from the manufacturer on 15/05/2023 will be labelled “expired” in the C10/26 list.

Information on modifications in the C10/26 list

To avoid all uncertainties, in case of modification, the following information will be included in the C10/26 list online:

- Column AD: date of modification
- Column AE: short description of modification. For example “firmware power limitation”

For installations where the inverter was purchased or chosen based on the erroneous values, the DSOs will allow a transition period up till 15/09/2023 when in doubt. The reference date will be the date shown on the inspection report. From 15/09/2023, only the data published at that time in the list C10/26 will be valid with no exceptions.

Webinar on C10/11 and C10/26 on 17/04/2023

As we notice that many questions remain around this topic, Synergrid will host a webinar on 17/04/2023. Much of this webinar will be spent addressing questions received in advance.

- Until 27/03/2023, you can submit any questions and topics proposals to CE10@synergrid.be with “Webinar C10/11 and C10/26 on 17/04/2023” clearly stated in the subject of your mail.
- Joining the webinar is free, advance registration is not required.

Webinar in Dutch:	Monday 17/04/2023 from 10am to 12am – Teams link (NL) for participation
Webinar in French:	Monday 17/04/2023 from 14am to 16am – Teams link (FR) for participation

Contact

- For inclusion in the Synergrid mailing list: please provide your details by writing to info@synergrid.be.
- For all questions on C10/11 and C10/26, please write to CE10@synergrid.be.