



Ringlaan 39
1853 - Strombeek-Bever
tel. 02 880 88 90
info@aceg.be
www.aceg.be



Keuringsverslag van een elektrische laagspanning- en zeer lage spanningsinstallatie

CONFORM

Datum keuring: 19/08/2022

Inspecteur: Stephanie Sevens

Mentor:

Installateur: Alfasun

ID-label: Bosveld

Klantreferentie: -

B.T.W. nr.: BE 0810 424 805

Merk en type meettoestel: Metrel
ET61557

Serienummer: 19481256

Datum verslag: 19/08/2022

Plaats van het onderzoek

Straatnaam Bosveld
Huisnummer 10
Busnummer
Postcode 9400
Gemeente Ninove
Land België

Eigenaar

Naam [REDACTED]
Straatnaam Bosveld
Huisnummer 10
Busnummer
Postcode 9400
Gemeente Ninove
Land België

Installateur

Naam Alfasun
BTW nr. BE 0810 424 805
Telefoonnummer -
E-mail Laura@alfasun.be

Type : PV-installatie en/of thuisbatterij

Afbeelding schakel- en verdeelbord:

EAN : 541448820064347804

Teller Nr. : 1SAG3100398357



Aard onderzoek:

Gelijkvormigheidscontrole van een PV installatie ≤ 10 kVA en/of thuisbatterij volgens (KB 08/09/2019) - AREI Boek 1- 6.4. en 4.2.4.3. en 7.112. en synergrid C10/11.

Netbeheerder: FLUVIUS

Spanning: 3N400V

Meter / bord verbinding: 6 mm²

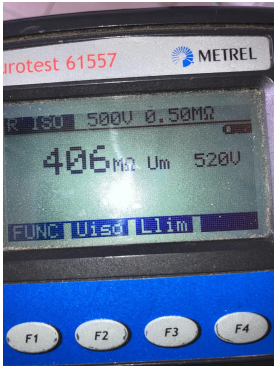
Max beveiliging: 20 A

Aantal borden: 1

Aantal kringen: 3

Ri algemeen: 406 MΩ

OK



Aardelektrode: Verticaal of schuin in de grond gedreven baren, pennen of geleiders

RE: 2,04 Ω

OK



DIFFERENTIEELSTROOMINRICHTING

ΔI (mA)	In (A)	In - andere (A)	IΔt	Type	Beveiligde kringen	Test	x 2,5
300	40		22,5kA2s (3000A)	A	3	OK	OK

BESCHRIJVING INSTALLATIE

Aantal kringen	Curve	Bescherming IN (A)	(andere)	P	Sectie (mm²)
2	C	16		4	2,5
1	C	20		4	6

Visueel nazicht (algemeen)	OK	Directe aanraking	OK	Indirecte aanraking	OK
Aansluitingen	OK	schema in bijlage door Aceg vzw	NA		
Equipotentiale verbindingen	OK	Doorsnede geleiders	OK		
Continuïteit	OK	Verlichting / toestellen	NVT	Eilandwerking	OK

GROENE METER

Fase	Serie Nr	Meterstand	CE markering	MID markering
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OMVORMER

Aantal: 1			
Merk: Enphase	Serie: IQ7-Series	Type: IQ7PLUS-72-V-W-Y-Z Q-Relay-1PH-INT or Q-Relay-3PH-INT	Aansluitingen: 1-phase
Serienummer: 482219032981-...031863-...032191-...031633-032179-032312-033100-032313-032335-032337	Smax (VA): 2950	I AC - nom (A) 12.83	Geschik voor batterij opslag:
Curve: C	IN (A): 16	UDC Max > UDC panelen/string: OK	IDC Max > I str1 + Istr2 + ...: OK

FOTOVOLTAISCHE ZONNEPANELEN

Aantal	Merk	Type	Piekvermogen per stuk (Wp)	Totaal Piekvermogen (Wp)
10	Meyer	Burger	380	3800

THUISBATTERIJ

OPMERKINGEN - INBREUKEN - NOTA'S

nota/note 2 Geen inbreuken vastgesteld.
nota/note 6 Deze controle omvat enkel de PV-installatie.

BESLUIT

- ☒ De elektrische installatie voldoet aan de voorschriften van het KB 08/09/2019 - AREI Boek 1. Het volgende controlebezoek is te voorzien voor 19/8/2047
- ☐ De nodige maatregelen werden genomen, zodat de ingangsklemmen van de automatische differentieelstroominrichting, geplaatst aan het begin van de installatie, ontoegankelijk zijn gemaakt door verzegeling.
- ☒ Het (de) eendraadsschema(s) en het (de) situatieplan(nen) werd(en) door het erkend organisme voor gezien getekend.
- Deze pdf-versie van het keuringsverslag is de originele versie en mag worden verspreid..

Aantal bijlage(n):
VRIJGAVE VAN HET KEURINGSVERSLAG

De inspecteur Stephanie Sevens

De werknemer,
Stephanie Sevens
Sevens
ACEG VZW - #158

Plichten van de eigenaar, beheerder, huurder voor de installatie onderworpen aan het AREI Boek 1 afdeling 9.1.2.

- Het verslag dient te worden bewaard in het dossier van de elektrische installatie.
- Elke wijziging dient te worden vermeld in het elektrisch dossier.
- Elk ongeval overkomen van personen en te wijten, rechte reeks of onrechtstreeks, aan de aanwezigheid van de elektrische installatie dient onmiddellijk meegedeeld te worden aan de algemene Directie Energie van de Federale Overheidsdienst Economie.

Kwaliteit

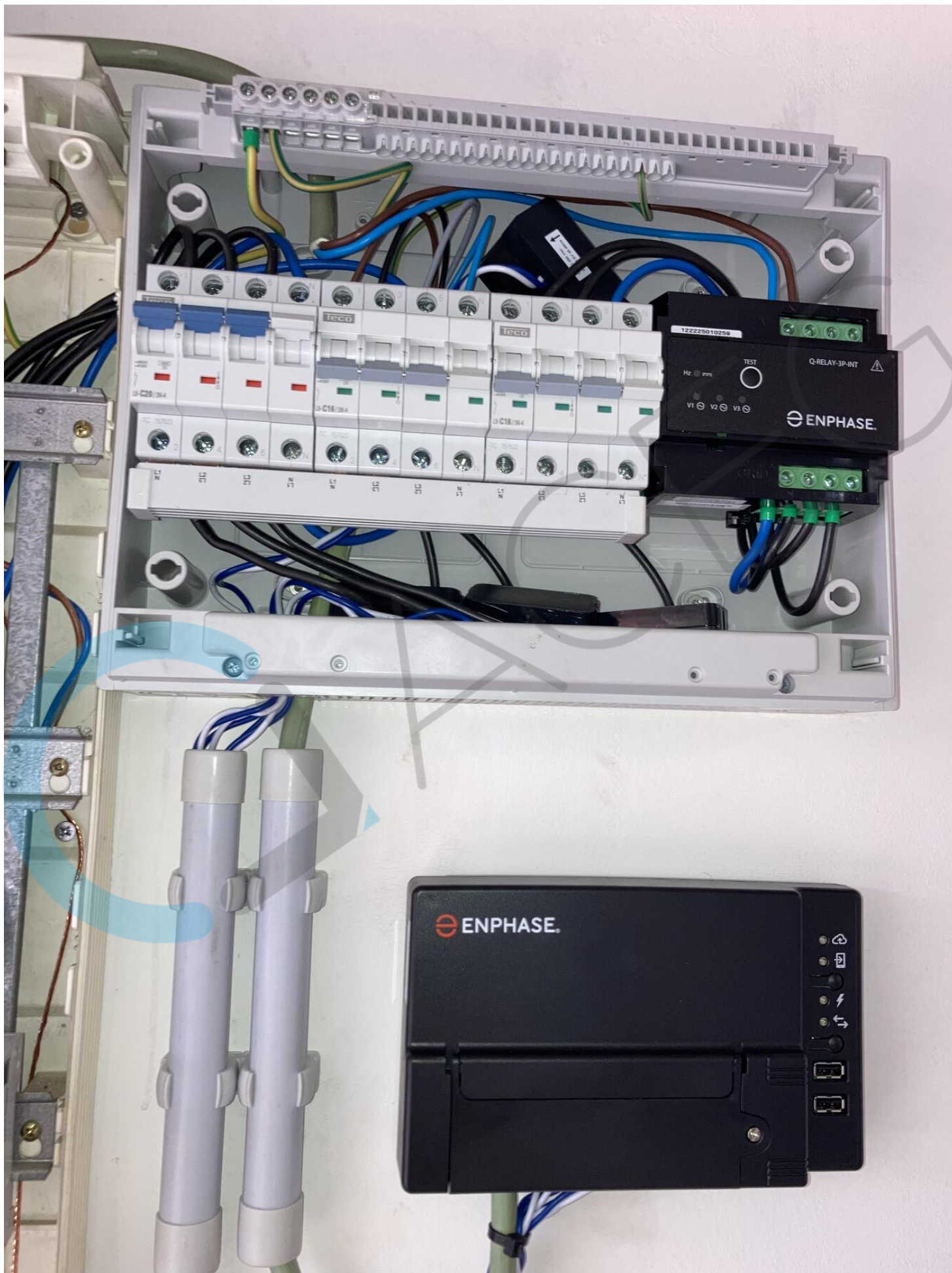
- De reproductie van dit document is enkel toegelaten in zijn integrale vorm en enkel met het schriftelijk akkoord van het controleorganisme en de aanvrager.
- De keuring beperkt zich tot de zichtbare en normaal toegankelijke delen van de installatie.

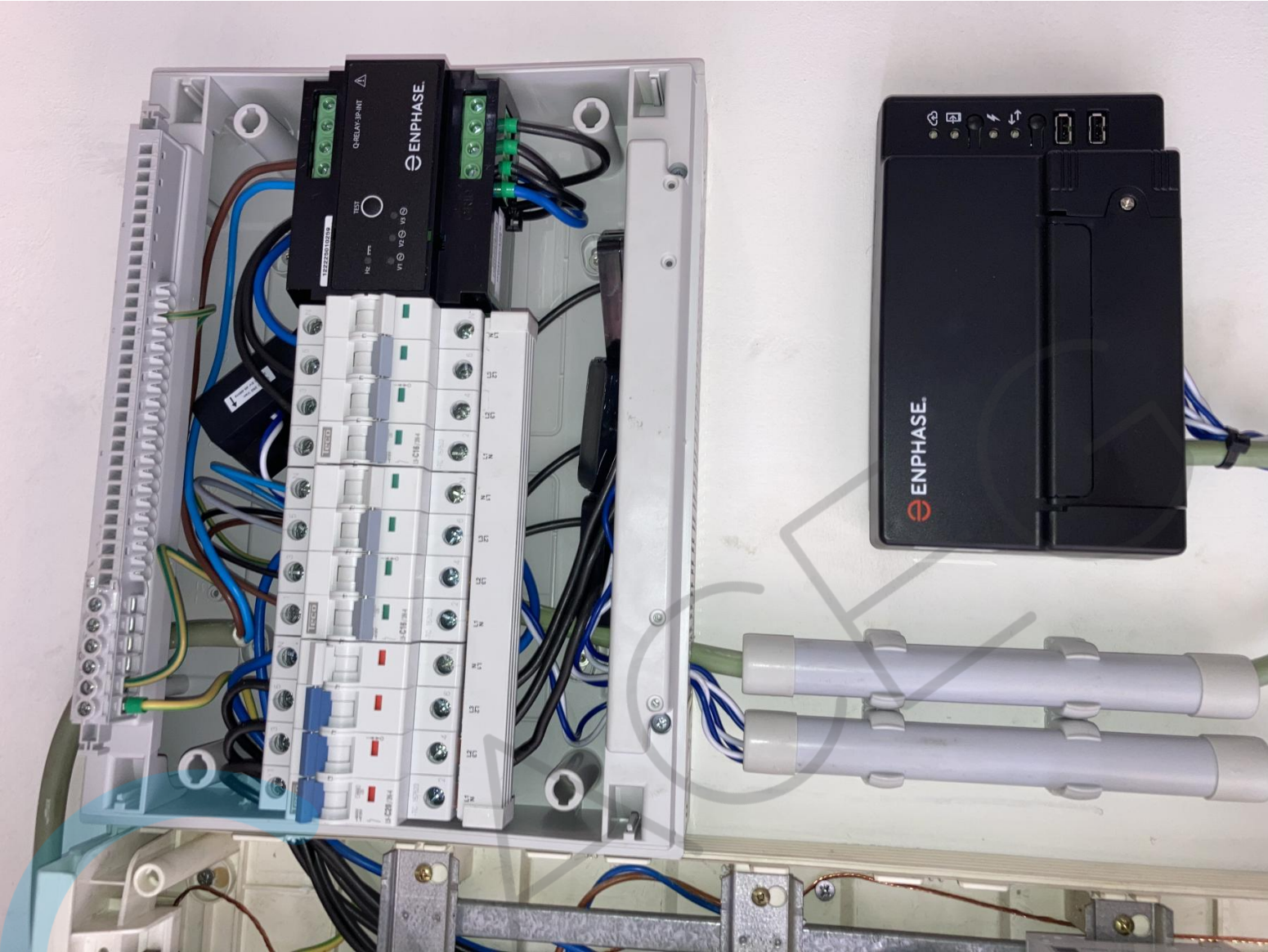
www.aceg.be

02 880 88 90

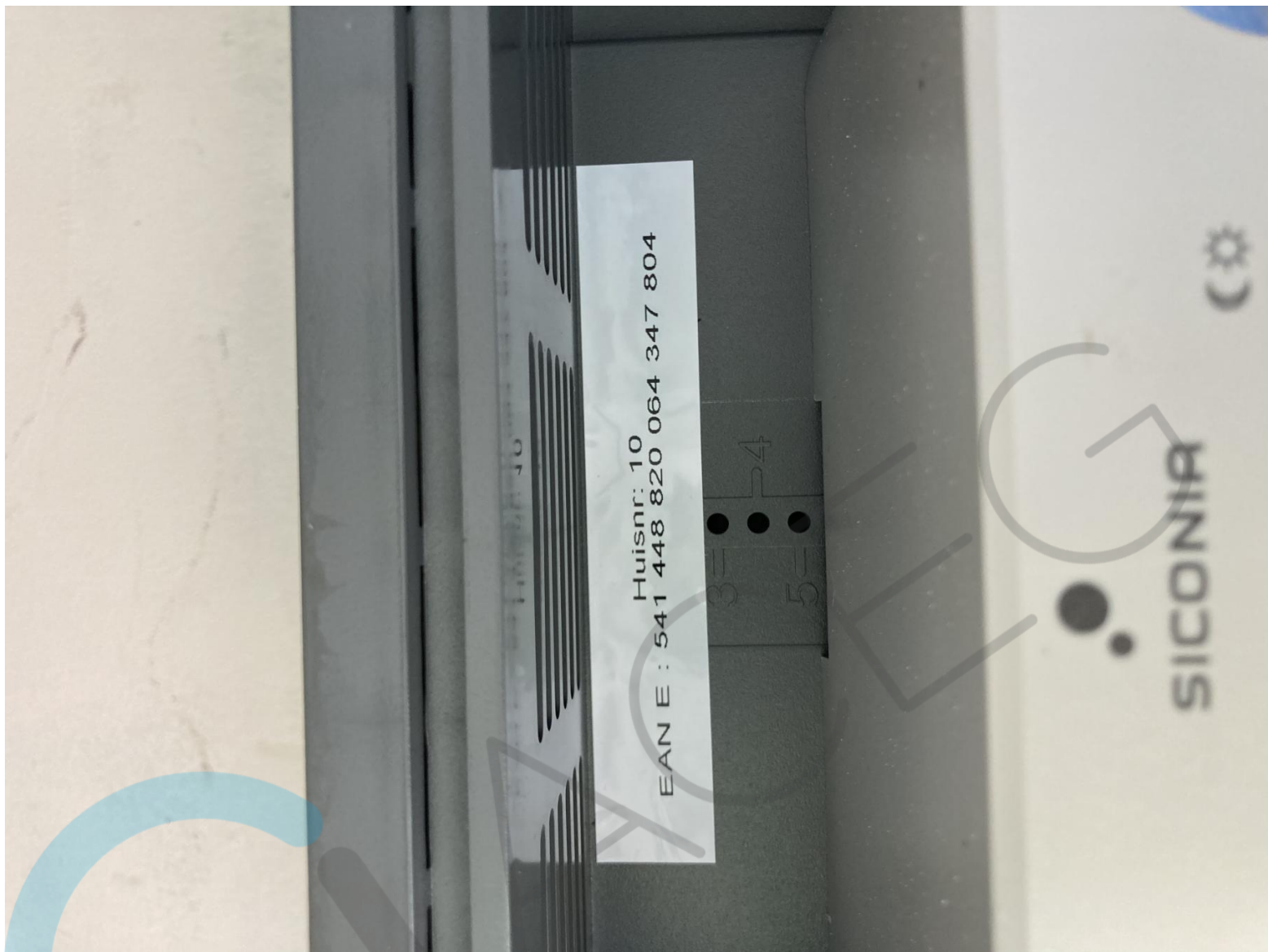
BE53 0689 0209 2953 - BTW BE0839.866.481

Stappenplan voor een installatie die conform is:			
Stap 1	Stap 2	Stap 3	Stap 4
Lees dit proces-verbaal zorgvuldig en besteed aandacht aan de eventuele nota's	Als u grote wijzigingen of uitbreidingen aan de installatie aanbrengt, moet u deze laten controleren.	De volgende periodieke keuring is voorzien voor 19/8/2047	ACEG staat tot uw dienst voor alle noodzakelijke keuringen.



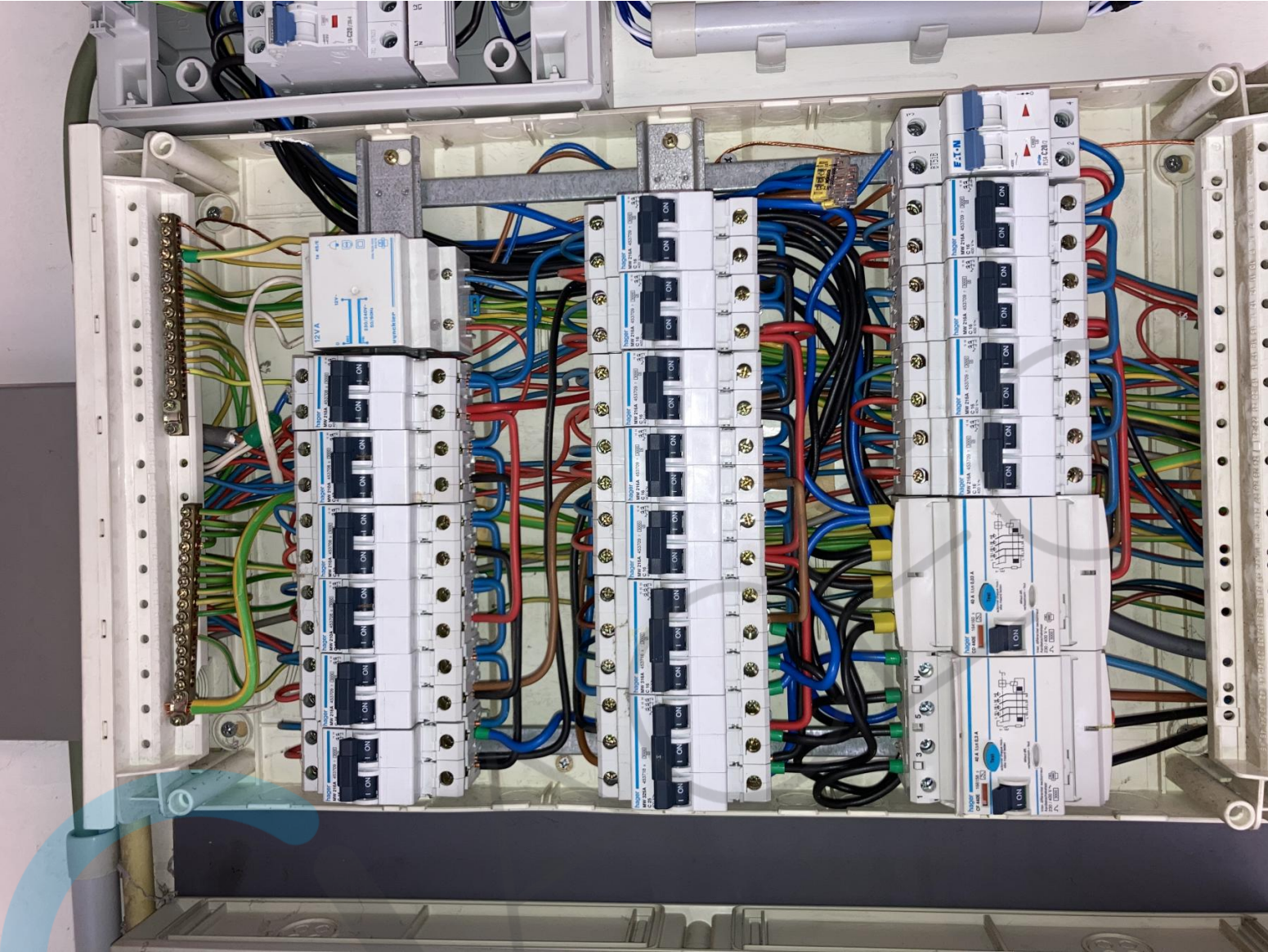










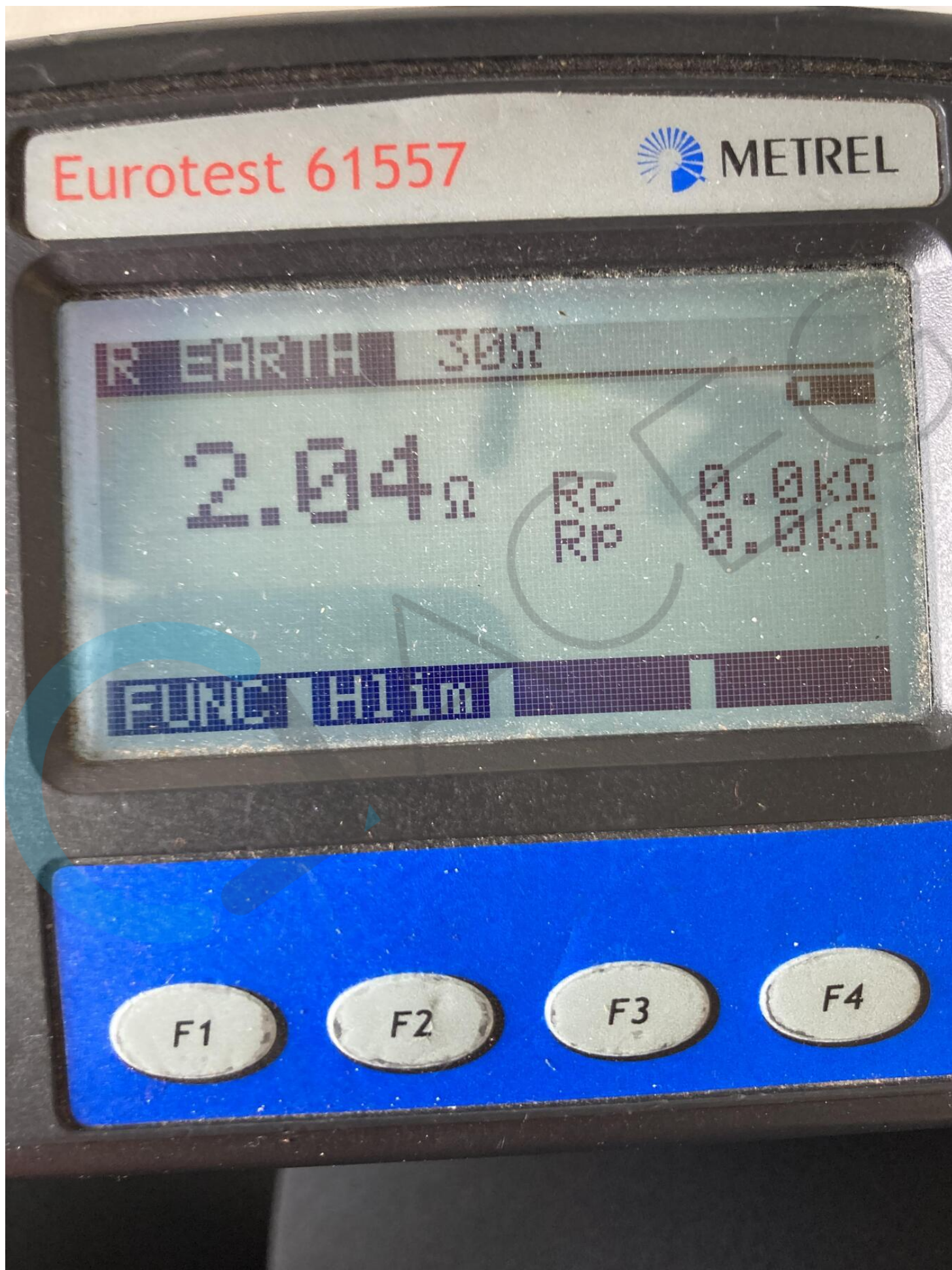


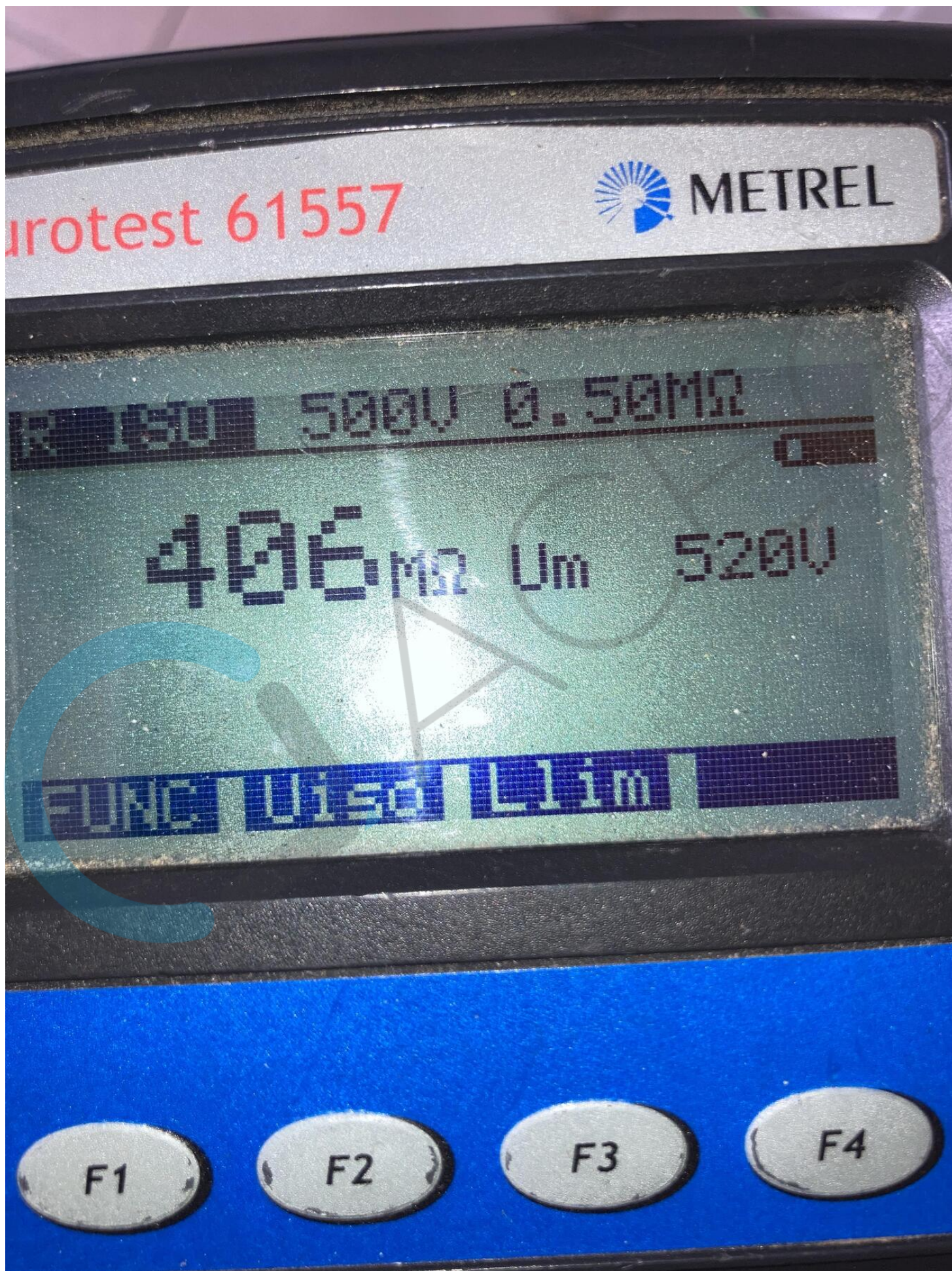


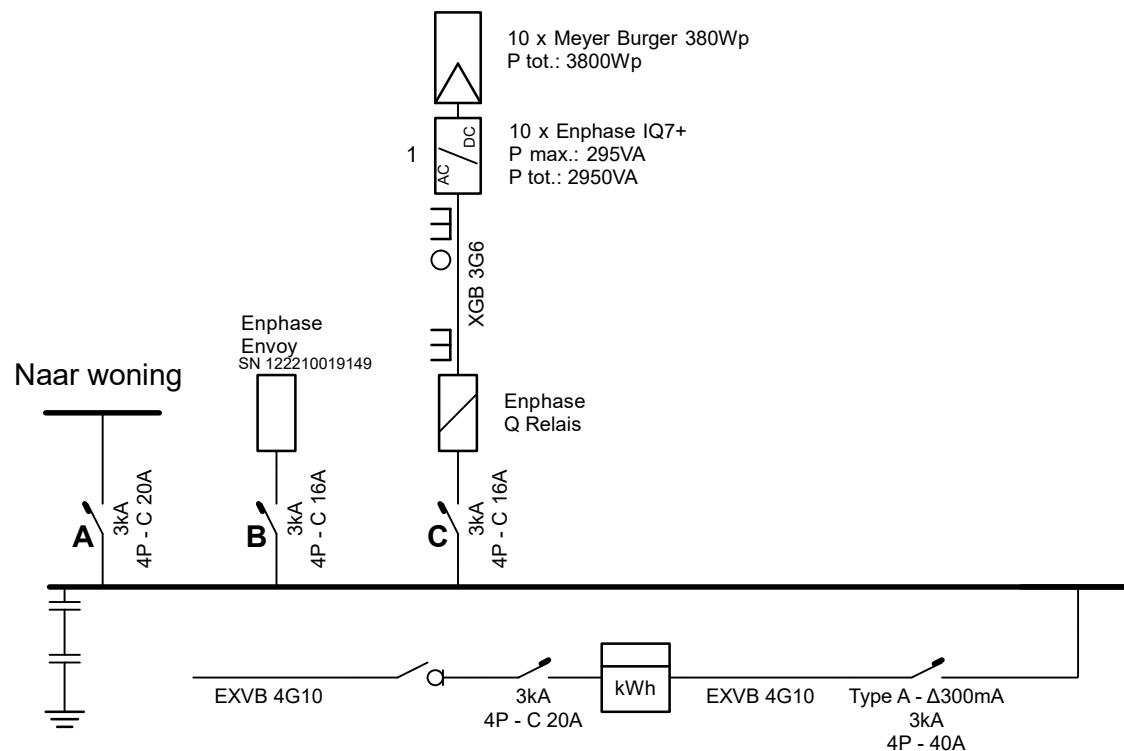












Stephanie Sevens ACEG VZW #158

19/08/2022 *Stephanie Sevens*

Erkend Organisme

ACEG Brabant / Brussel HQ
Ringlaan 39
1853 Strombeek-Bever
Tel.: 02 880 88 90
e-mail: info@aceg.be

Plaats van de elektrische installatie

Bosveld 10
9400 Ninove

Alfasun BVBA

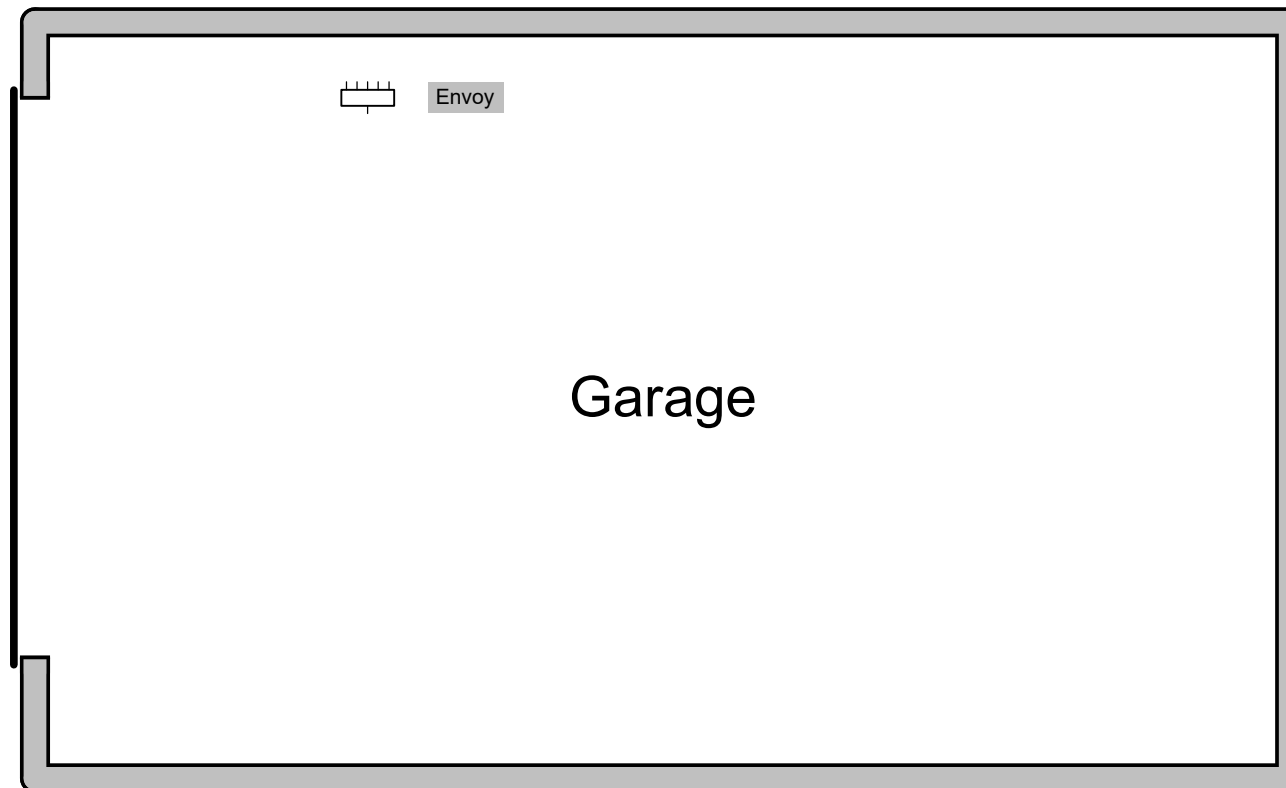
Mallaardstraat 9
9400 Ninove
Tel: 054/24.54.81
E-mail: info@alfasun.be
BTW: BE0810.424.805



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Eendraadschema

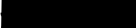
3 x 400V + N ~ 50Hz



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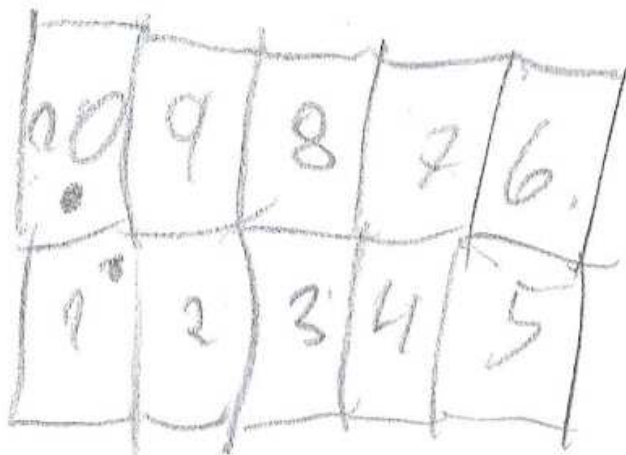
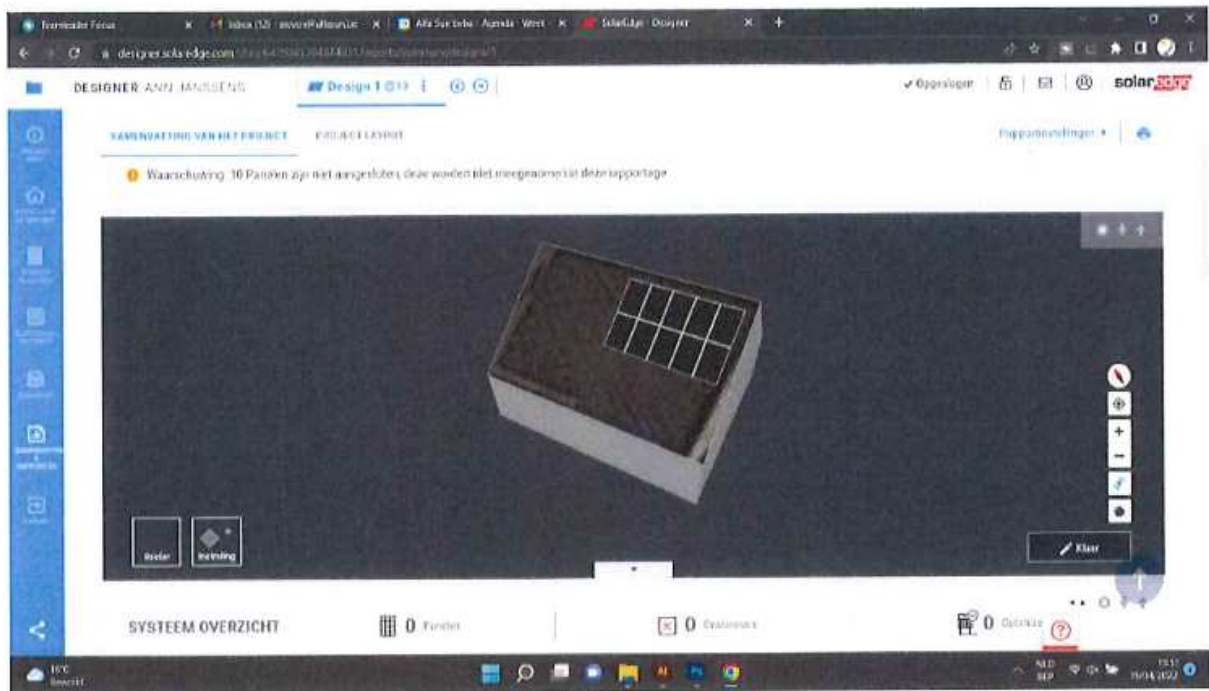
Alfasun BVBA

Mallaardstraat 9
9400 Ninove
Tel: 054/24.54.81
E-mail: info@alfasun.be
BTW: BE0810.424.805



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Situatieschema

3 x 400V + N ~ 50Hz



Stephanie Sevens ACEG VZW #158

19/08/2022

Stephanie Sevens

GLV 005-09	ENPHASE ENERGY INC.	IQ7 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-generation units" of the Synergrid prescription C10/11 ed2.1 (01/09/2019)		

Synergrid

The undersigned,	Manufacturer:	Enphase Energy	Represented by:	David Minchin
	Address:	1420 North McDowell Boulevard	Country:	Australia
		Pertaluma, CA, 94954	email:	dminchin@enphaseenergy.com
		United States of America	Telephone:	(+61) 409 567318

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:	Melbourne, Australia		Homologated by Synergrid on:	23/09/2021
On:	18/08/2021		Stamp Synergrid & signature:	SYNERGRID a.s.b.l.-v.z.w. Galerie Rayenstein Galerie 4/2 BE-1000 Bruxelles/Brussel T.V.A./I.T.W : BE 0402.958.091
(stamp manufacturer & signature)	 David Minchin ENPHASE ENERGY INC.			

* 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 B of C10/11 ed2.1 (01/09/2019)

GLV 201 - 04 ENPHASE ENERGY IQ7 Series

checklist ed 2.1.2 (12/2019)

1 SYNERGRID reference number (GLVxxx-yy-zzzz)	2 BRAND NAME	3 Name of the product SERIES	4 REFERENCE of the model / type of the unit	5 FIRMWARE VERSION	6 ONLY for units (suitable for) energy storage: Name and reference of the power control system		8 POWER		10 1-phase or 3-phase	11 ADDITIONAL CHARACTERISTICS					12 LIMITATIONS			13 APPLICATION			14 Synergrid approval data		15 Final homologation		
					power control system type EnFluRI	other power control system	P _{act} rated (active) power (W)	S _{max} maximum apparent power (VA)		D.3 integrated automatic separation system	D.4.1 additional operating frequency / range (51.5 Hz - 52.5 Hz) in isolation > 10kV	D.6.2 power response to under-voltage [51.5 Hz - 52.5 Hz]	D.7.2 active power reduction (PL)	D.7.1 compliant power control system provided (e.g. EnFluRI)	D.4.3 only homologated for connection to MV network	D.3.1 only homologated for use in module < 800W	D.3.2 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		Chiller	Temporary homologation (expires on 01/05/2020)
	Enphase	IQ7-Series	IQ7A-72-V-W-Y-Z Q-Relay-1PH-INT or Q-Relay-3PH-INT	520-00082-r01-v04.28.07 or higher			349 W	366 VA	1-phase	X	X	X	X			X									
	Enphase	IQ7-Series	IQ7X-96-V-W-Y-Z Q-Relay-1PH-INT or Q-Relay-3PH-INT	520-00082-r01-v04.28.07 or higher			315 W	320 VA	1-phase	X	X	X	X			X									
	Enphase	IQ7-Series	IQ7PLUS-72-V-W-Y-Z Q-Relay-1PH-INT or Q-Relay-3PH-INT	520-00082-r01-v04.28.07 or higher			290 W	295 VA	1-phase	X	X	X	X			X									
	Enphase	IQ7-Series	IQ7-60-V-W-Y-Z Q-Relay-1PH-INT or Q-Relay-3PH-INT	520-00082-r01-v04.28.07 or higher			240 W	250 VA	1-phase	X	X	X	X			X									

SYNERGRID a.s.b.l.-v.z.w.
Galerie Ravensteingalerij 4/2
BE-1000 Bruxelles/Brussel
T.V.A./B.T.W. : BE 0402.956.091

EXPLANATIONS FOR THE COMPLETION OF THE TABLE

Explan.	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 <i>Note: "GLV" is the internal Synergrid-abbreviation for Declaration of Conformity, based on the Dutch word "Gedijlvormigheidsverklaring".</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 (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.</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 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 ed2.1 (01/09/2019) §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 ed2.1 (01/09/2019) §7.11.2.2
8	P _{act} - 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	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.

FINAL
HOMOLOGATION