SUPPLIER DECLARATION OF CONFORMITY (SDoC)

In accordance with ISO/IEC 17050-1:2004

SDoC Identification Number[1]: EGPV-EESOLAR-10KTL-LC0

Issuer details

Name[2] (of New Zealand manufacturer or importer)**:**

Entelar Group Limited

Telephone: 0800 8353447 Opt 4

New Zealand Company No. (if applicable): 9429050709007

Email Address: entelarenergyhelpdesk@entelargroup.co.nz

Contact Address:

Entelar Group Limited
19 Gabador Place, Mount Wellington
1060 Auckland
New Zealand

Medium Risk Article – Details[3] (Product name, type, rating, brand, model, batch numbers, and serial numbers, as applicable):

Product name: Solar Inverter Single phase 50Hz
Product series: EESOLAR-10KTL-LC0 (see attached list)

The Medium Risk Article listed above, fully complies:

With cited standard(s), as listed[4]:

Standard number and issue year: AS/NZS 3820:2020

Edition / Amendment status: N/A

Standard title: Essential Safety Requirements for Electrical Equipment

AS/NZS ZZ modified Yes ☐ No ☐ N/A ■

Standard number and issue year:

Edition / Amendment status:

Standard title:

AS/NZS ZZ modified Yes ☐ No ☐ N/A ■

OR Complies with the Conformity Cooperation Agreement (CCA)[5] Yes ☐ No ■

OR is registered on the EESS database & the declarer is registered as the responsible/affiliated supplier[6] Yes ☐ No ■ **EESS Equipment #** _____

Names and addresses of any Evaluating/Testing/Certification organisation or body used

Name(s):	Address(es):
TUV Rheinland Australia Pty Ltd.	182 Dougharty Road, Heidelberg West VIC 3081

Reference to relevant test reports/certification and the issue date that show how compliance is achieved

Supporting document(s) used, to show how compliance with the declared standard(s) is achieved or CCA certification:	Report Certification or Document reference N°(s):	Issue dates(s):
Report: AS/NZS 4777.2:2020+A1	CN24J37Q 001	24/09/2024

Reference to any management quality system involved: -

Additional information[7]: -

Declaration (signed for and on behalf of):-

Name and position as authorised by the issuer[8]:

Laura Dewar, Entelar Energy Lead

Issuer Identification (as affixed to the article):

entelar ENERGY

Signature:

Date:

22 Nov 2024

SUPPLIER DECLARATION OF CONFORMITY (SDOC)

In accordance with ISO/IEC 17050-1:2004

Technical Specification	EESOLAR-10KTL-LC0
	Efficiency
Max. efficiency	98.1%
European weighted efficiency	97.5%
	Input (PV)
Recommended max. PV power [1]	15,000 Wp
Max. input voltage	600 V
Startup voltage	50 V
MPPT operating voltage range	40 ~ 560 V
Rated input voltage	360 V
Max. input current per MPPT	16 A
Max. short-circuit current	20 A
Max. number of inputs	3
Number of MPP trackers	3
	Input (DC Battery)
Compatible battery	EESTORE Battery System 5kWh – 30kWh
Operating voltage range	350 ~ 560 Vdc
Max. operating current	25 A
Max. charge power	10,000 W
Max. discharge power	10,000 W
	Output (On Grid)
Grid connection	Single-phase
Rated output power	10,000 W
Max. apparent power	10,000 VA
Rated output voltage	220 Vac / 230 Vac / 240 Vac, L / N + PE
Max. output current	45.5 A
Rated AC grid frequency	50 Hz/60 Hz
Adjustable power factor	0.8 leading...0.8 lagging
Max. total harmonic distortion	≤ 3%
Backup power output	Yes (via compatible Backup Box)
	Features & Protection
Anti-islanding protection	Yes
DC reverse polarity protection	Yes
Insulation monitoring	Yes
DC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643-11
AC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643-11
Residual current monitoring unit	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
AC overvoltage protection	Yes
Over-heat protection	Yes
Arc fault protection	Yes
Battery charging from grid	Yes
	General Data
Operating temperature range	–25°C to +60°C (-13 °F ~ 140 °F)
Relative operating humidity	0%-100% RH
Operating altitude	0-4,000 m (Derating above 2,000 m)
Cooling	Smart Air Cooling
Display	LED indicators; integrated WLAN + App
Communication	RS485, WLAN / Ethernet via EEDongleA-05
Weight	15 kg
Dimensions (W x H x D) (incl. mounting plate)	425 mm x 376.5 mm x 150 mm
Degree of protection	IP66
	Optimizer Compatibility
Compatible optimizer	SUN2000-450W-P2, SUN2000-600W-P
	Standards Compliance (More Available Upon Request)
Safety	RCM, IEC 62109-1&2, AS/NZS 60947.3:2015
Grid connection standards	AS/NZS 4777.2:2020, AS/NZS 4777.2:2015

Notes for completion

1. Every declaration of conformity should be uniquely identified.
2. The responsible issuer must be unequivocally specified and either be the NZ manufacturer or the importer (NZ).
3. The "Article" must be adequately described so that the declaration of conformity may uniquely be related to the declared article in question. For mass-produced-products, it is not necessary to give individual serial numbers. Where variants of an article are to be covered, these must be fully detailed.
4. The cited standard is the applicable specific safety standard exactly as it is cited in Schedule 4 of the Electricity (Safety) Regulations 2010 or AS/NZS 3820, at the date that the declaration is signed. Where compliance with the AS/NZS 3820 is claimed, a supporting document will be required that shows how each clause of the AS/NZS 3820 standard is complied with.
5. This is for products imported and offered for sale under the explicit control of the China "Conformity Cooperation Agreement" such product will be marked in accordance with that agreement and NZ suppliers of such product should obtain documentary evidence to support any claim that a product is covered by that agreement. Warning a product offered for sale that is marked in accordance with the CCA, that is not actually covered by the CCA is illegal and subject to a fixed Infringement Fee fine. No details of any cited safety standards are required on the declaration.
6. The Electrical Equipment Safety Scheme (EESS) registration can be checked at the following link - https://equipment.erac.gov.au/Registration/EquipmentSearch.aspx?atn=public . Consumers can just enter the EESS equipment number on the database to check the registration and registered supplier of that equipment. The product declared must exactly match the details listed on that database and the NZ declarer must be the named Responsible or Affiliated supplier registered for the specific product. No details of any cited safety standards are required on the declaration. (Note: If registered as previously described, completion of the SDoC is entirely voluntary, as Regulation 83A recognises EESS registration directly.)
7. Text should appear here only if any limitation on the validity of the declaration of conformity and/or any additional information are given.
8. Full name and function of the signing person(s) authorised by the issuer's management to sign on its behalf should be given. The number of signatures, or equivalent, included will be the minimum determined by the legal form of the issuer's organisation.

Continuing validity of the declaration of conformity

The issuer of the declaration of conformity shall have adequate procedures in place to ensure the continued conformity of the declared medium risk article, as delivered or accepted, with the stated requirements of the declaration of conformity.

The issuer of the declaration of conformity should have procedures in place to continually evaluate the validity of the declaration of conformity, in respect of the product declared, in the event of:-

a) Changes significantly affecting the article design or specification by the manufacturer? ; and/or

b) Being aware of relevant information indicating that the article may no longer conform to the specified requirements?; and/or

c) Change of product manufacturer or structure of management of the product manufacturer?; and/or

d) Change of supply of any critical safety or protective components?; and/or

e) Changes to the safety standards cited in Regulations, for product imported / NZ manufactured, after the new citation take effect? (Note: This does not apply to equipment imported under the CCA or currently registered on EESS by the NZ supplier, where the continued validity is governed by other rules.)

Additional information regarding the declaration

Although not required by the ISO/IEC 17050, "Issuer Identification" affixed to the article: this marking should identify the issuer of the SDoC and may be for example in the form of a NZ GST N°, NZ Company N°, or Unique NZ brand name or trademark, etc. Failure to mark a product with such unique identification may result in the issuer being held responsible for compliance of an article that may not have been supplied by the issuer, unless the issuer can prove otherwise! This is particularly relevant where the same or very similar model, may be imported by other NZ suppliers and is perhaps not compliant.

A copy of the SDoC and test report(s) (certification) and/or other supporting compliance documentation must be available, if the supporting compliance documentation is not available directly from issuer, the name and address of from where it can be obtained from, must be provided by any supplier within the New Zealand supply chain. (Note: A copy of the SDoC and supporting documentation must be available within 10 working days after being asked to do so by Energy Safety, also a copy of the SDoC (only) must be provided within 10 days of request by a purchaser or potential purchaser, of the article declared).

A person who sells or offers for sale, a declared medium risk article commits an offence, if at the time of sale or offer to sell, a valid declaration of conformity for the article has not been made, or the person cannot provide a copy of the declaration of conformity, along with the required supporting documentation, within the timeframe allowed. Penalties associated with a grade "A" offence are fines, not exceeding $10,000 for an individual or $50,000 for a body corporate (company) if successfully prosecuted, or a fixed infringement fee, of $1,000 for an individual or $3,000 for a body corporate (company).

See listings of the current regulatory definitions for electrical equipment deemed to be medium risk articles, on the Energy Safety website www.energysafety.govt.nz.

This form can be edited to increase any text box size, in order to insert more detail, than the current space allows, if required.

This is an example ISO/IEC 17050-1 form for a recognised declaration of conformity; any other form complying with the requirements of ISO/IEC 17050-1:2004, may be used instead, for the purpose of Electricity Regulation 83.

Nothing prevents this form being extended to act as an SDoC, for other regulatory purposes.

This completed form remains with the issuer as part of the documentation required as evidence of compliance
DO NOT submit a copy of this form to Energy Safety unless specifically requested to do so.