

SUPPLIER DECLARATION OF CONFORMITY (SDoC)

In accordance with ISO/IEC 17050-1:2004

SDoC Identification Number¹: EGPV-EESTORE-5

Issuer details

Name² (of New Zealand manufacturer or importer):

Entelar Group Limited

Telephone: 0800 8353447 Opt 4

New Zealand Company No. (if applicable): 9429050709007

Email Address: entelarenergynhelpdesk@entelargroup.co.nz

Contact Address:

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

Medium Risk Article – Details³ (Product name, type, rating, brand, model, batch numbers, and serial numbers, as applicable):

Product name: Solar Energy Storage Module
Product series: EESTORE-5, EESTORE-10, EESTORE-15 (see attached list)

The Medium Risk Article listed above, fully complies:

With cited standard(s), as listed⁴:

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

Edition / Amendment status: N/A

Standard title:

Essential Safety Requirements for Electrical Equipment

Standard number and issue year:

Edition / Amendment status:

Standard title:

AS/NZS ZZ modified Yes No N/A

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 supplier⁶ Yes No EESS Equipment # _____

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

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

Name(s): TUV SUD PSB Pte Ltd Address(es): 15 International Business Park, Singapore 609937

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:

Certificate: AS/NZS 4777.2:2020+A1, IEC 62109-1:2010
IEC 62109-2:2011, IEC 62619:2017

Report Certification or Document reference N°(s):

AZ 69027495, 085-233155201-000, 085-282360551-000

Issue date(s):

04/10/2023
29/11/2023
27/11/2023

Reference to any management quality system involved: -

Additional information⁷: -

Declaration (signed for and on behalf of):-

Name and position as authorised by the issuer⁸:

Laura Dewar, Entelar Energy Lead

Issuer Identification (as affixed to the article):



Signature:

Date:

31 Mar 2025

EESTORE-(5-30) Technical Specification



| Performance | | | |
|--|--------------|------------|------------|
| Power Module | EESTORE-5-C0 | | |
| Number of Power Modules | 1 | | |
| Battery Module | EESTORE-5-E0 | | |
| Battery Module Energy | 5 kWh | | |
| Number of Battery Modules | 1 | 2 | 3 |
| Battery Usable Energy ¹ | 5 kWh | 10 kWh | 15 kWh |
| Max. Output Power | 2.5 kW | 5 kW | 5 kW |
| Peak Output Power | 3.5 kW, 10 s | 7 kW, 10 s | 7 kW, 10 s |
| Nominal Voltage(Single Phase System) | 450 V | | |
| Operating Voltage Range(Single Phase System) | 350 – 560 V | | |
| Nominal Voltage(Three Phase system) | 600 V | | |
| Operating Voltage Range(Three Phase System) | 600 – 980 V | | |

| Communication | |
|---------------|---|
| Display | SOC status indicator, LED indicator |
| Communication | RS485 / CAN (only for parallel operation) |

| General Specification | | | |
|---------------------------------------|---|--|---|
| Dimension (W*D*H) | 670 * 150 * 600 mm (26.4 * 5.9 * 23.6 inch) | 670 * 150 * 960 mm (26.4 * 5.9 * 37.8 inch) | 670 * 150 * 1320 mm (26.4 * 5.9 * 60.0 inch) |
| Weight (Floor Stand Toolkit Included) | 63.8 kg (140.7 lb) | 113.8 kg (250.9 lb) | 163.8 kg (361.1 lb) |
| Power Module Dimension (W*D*H) | 670 * 150 * 240 mm (26.4 * 5.9 * 9.4 inch) | | |
| Power Module Weight | 12 kg (26.5 lb) | | |
| Battery Module Dimension (W*D*H) | 670 * 150 * 360 mm (26.4 * 5.9 * 14.0 inch) | | |
| Battery Module Weight | 50 kg (110.2 lb) | | |
| Installation | Floor stand (standard), Wall mount (optional) | | |
| Operating Temperature | -20°C ~ + 55°C (-4°F ~ 131°F) ² | | |
| Operating Altitude | 0 – 4,000 m (13,123 ft.) (Derating above 2,000 m) | | |
| Environment | Indoor / Outdoor | | |
| Relative Humidity | 5% ~ 95% | | |
| Cooling | Natural convection | | |
| Protection Rating | IP 66 | | |
| Noise Emission | <29 dB | | |
| Cell Technology | Lithium-iron phosphate (LiFePO4) | | |
| Scalability | Max. 2 systems in parallel operation | | |
| Compatible Inverters | EESOLAR-5/6KTL-L1, EESOLAR-6/10KTL-M1 | | |

| Standard Compliance (more available upon request) | |
|---|---|
| Certificates | IEC 62619, IEC 62040, AS/NZS 60947.3:2015, UN38.3 |

| Ordering and Deliverable Part | |
|-------------------------------------|---|
| Product ordering model ³ | EESTORE-5-C0, EESTORE-5-E0, Wall Mounting Bracket |

¹ Test condition: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C

² Charge/discharge derating occurs when the operating temperature from -20°C to 5 °C & 45 °C to 55 °C

³ Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity

SUPPLIER DECLARATION OF CONFORMITY (SDoC)

In accordance with ISO/IEC 17050-1:2004

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.era.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.

Certificate Number: AZ 69025800

Page: 0090



CERTIFICATE OF APPROVAL

Authorised marking: TUV-025800-EA

CONTINUATION SHEET 89

(Modification 41)

Add alternative inverters:

Classified as:

Installed within power conditioning equipment (PCE), enclosed outdoor, suitable for installation exposed to sunlight as per AS/NZS 5033.

Switch arrangement: GHX5-32P, 3 layers

Installed within Energy Storage System

lthe Solar at 40°C: 20A, lthe Solar at 60°C: 20A

Brand: entelar energy

Models: EESTORE-15; EESTORE-10, EESTORE-5

Size: 670mm×240mm×150mm (W x H x D)

Enclosure material: Aluminum

Issue Date: 07/09/2023

Expiry Date: 16/02/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



www.jas-anz.org/register

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

| | |
|---|--|
| Product | Energy Storage System |
| Name and address of the applicant | Entelar Group Ltd. 19 Gabador Place, Mount Wellington 1060 Auckland NEW ZEALAND |
| Name and address of the manufacturer | Entelar Group Ltd. 19 Gabador Place, Mount Wellington, 1060 Auckland, NEW ZEALAND |
| Name and address of the factory | Shenzhen ACT Manufacturing Co., Ltd. 1~8F, Bldg 5 & 6~8F, Bldg 4, Beishan Ind. Zone I, -1~4F, ACT Network Energy Bldg, Zone II, Yangang Community, 1~11F, Bldg 29, Yantian Integrated Free Trade Zone, Pengwan Community; Yantian, 518083 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA |
| Ratings and principal characteristics | See page 2 |
| Model/type Ref. | EESTORE-5, EESTORE-10, EESTORE-15 |
| A sample of the product was tested and found to be in conformity with | IEC 62040-1:2017 IEC 62040-1:2017/AMD1:2021 |
| as shown in the Test Report Ref. No. which forms part of this certificate | 085-233155201-000 |

Page 1 of 3

This CB Test Certificate is issued by the National Certification Body

CBS 122587 0001 Rev. 00

Date, 2023-11-29



(Billy Qiu)

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Trademark / Brand (Image)



Name and address of the factory (continued)

Shenzhen BYD Electronic Co., Ltd
 A7 Building of BYD, No.1 Yan'an Road, Kuichong Street, Dapeng New District, 518119 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA

Huizhou Desay Battery Co., Ltd.
 No.12 Guangtai Road, Huinan High-tech Industrial Park, 516025 Huizhou, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA

Huizhou Sunwoda Energy Technology Co., Ltd.
 "Jiduwei" (local name) section of Zhenxing Avenue, Lixi Economic Union, Yuanzhou Town, Boluo County, 516000 Huizhou City, Guangdong, PEOPLE'S REPUBLIC OF CHINA

Ratings and principal characteristics (continued)

| Model | EESTORE-5 | EESTORE-10 | EESTORE-15 |
|--|-------------|-------------|--------------|
| Battery type | LiFePO4 | LiFePO4 | LiFePO4 |
| Battery module number | 1 | 2 | 3 |
| Rated capacity [Ah] | 100 | 200 | 300 |
| Rated energy capacity [kWh] | 5 | 10 | 15 |
| Maximum charging / discharging current [Ad.c.] | 7.5 | 15 | 15 |
| Maximum charging / discharging power [kW] | 2.5 | 5 | 5 |
| Maximum voltage [Vd.c.] | 1100 | 1100 | 1100 |
| Operating voltage range [Vd.c.] | 350 - 980 | 350 - 980 | 350 - 980 |
| Operating temperature range [°C] | -20 to +55 | -20 to +55 | -20 to +55 |
| Protection class | I | I | I |
| Ingress protection | IP 66 | IP 66 | IP 66 |
| Dimensions [WxDxH] [mm] | 670*150*600 | 670*150*960 | 670*150*1320 |
| Weight [kg] | 63.8 | 113.8 | 163.8 |

Page 2 of 3

This CB Test Certificate is issued by the National Certification Body

CBS 122587 0001 Rev. 00

Date, 2023-11-29



(Billy Qiu)





Ref. Certif. No.

SG PSB-OF-07241

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

For bidirectional DC/DC unit
Shenzhen ACT Manufacturing Co., Ltd.

For energy storage module
1: Shenzhen BYD Electronic Co., Ltd
2: Huizhou Desay Battery Co., Ltd.
3: Huizhou Sunwoda Energy Technology Co., Ltd.

Page 3 of 3
This CB Test Certificate is issued by the National Certification Body

CBS 122587 0001 Rev. 00
Date, 2023-11-29

(Billy Qiu)





Ref. Certif. No.

SG PSB-BT-04314

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

| | |
|---|--|
| Product | Batteries (Rechargeable Lithium Ion Battery for Energy Storage Module) |
| Name and address of the applicant | Entelar Group Ltd. 19 Gabador Place, Mount Wellington 1060 Auckland NEW ZEALAND |
| Name and address of the manufacturer | Entelar Group Ltd. 19 Gabador Place, Mount Wellington, 1060 Auckland, NEW ZEALAND |
| Name and address of the factory | Huizhou Sunwoda Energy Technology Co., Ltd. "Jiduwei" (local name) section of Zhenxing Avenue, Lixi Economic Union, Yuanzhou Town, Boluo County, 516000 Huizhou City, Guangdong, PEOPLE'S REPUBLIC OF CHINA |
| Ratings and principal characteristics | Nominal voltage: 51.2Vd.c. Rated capacity: EESTORE-5-E0: 100Ah; EESTORE-10-E0: 200Ah; EESTORE-15-E0: 300Ah Remark: The "EESTORE-5-E0, EESTORE-10-E0, EESTORE-15-E0" are the battery systems respectively for the "EESTORE-5, EESTORE-10, EESTORE-15" which includes the battery modules, battery management system, protective devices and all auxiliary supporting equipment for the battery system. |
| Model/type Ref. | EESTORE-5-E0, EESTORE-10-E0, EESTORE-15-E0 |
| A sample of the product was tested and found to be in conformity with | IEC 62619:2017 |
| as shown in the Test Report Ref. No. which forms part of this certificate | 085-282360551-000 |

Page 1 of 2

This CB Test Certificate is issued by the National Certification Body

CBS 122587 0002 Rev. 00

Date, 2023-11-27

(Harry Zhang)

TÜV SÜD PSB Pte Ltd 15 International Business Park TÜV SÜD @ IBP Singapore 609937



PSB Singapore



Ref. Certif. No.

SG PSB-BT-04314

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Trademark / Brand (Image)



Name and address of the factory (continued)

Shenzhen BYD Electronic Co., Ltd
A7 Building of BYD, No.1 Yan'an Road, Kuichong Street, Dapeng New District, 518119 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA

Huizhou Desay Battery Co., Ltd.
No.12 Guangtai Road, Huinan High-tech Industrial Park, 516025 Huizhou, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA

Page 2 of 2

This CB Test Certificate is issued by the National Certification Body

CBS 122587 0002 Rev. 00

Date, 2023-11-27

(Harry Zhang)



TÜV SÜD PSB Pte Ltd 15 International Business Park TÜV SÜD @ IBP Singapore 609937

PSB Singapore

Supplier's Declaration of Conformity

Section 134 (1) (g) of the New Zealand Radiocommunications Act 1989

Note | This completed form remains with the supplier as part of the documentation required for the "Compliance folder"

1. Supplier details

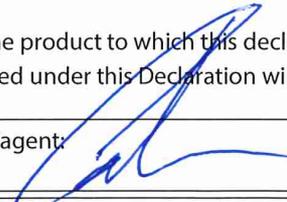
| | |
|---|--|
| Name (of manufacturer, importer or authorised agent): Entelar Group Ltd. | New Zealand physical address: 19 Gabador Place, Mount Wellington, Auckland 1060, New Zealand |
| New Zealand contact information: Telephone: +64 800 835 3447 Mobile: Fax: Email: support@entelargroup.co.nz | New Zealand postal address (if different): |
| (New Zealand) Company number or GST number: 9429050709007 | ERAC Supplier Number: E10442 |

2. Product details

| | | |
|--|-------------------------------------|-------------------------------|
| Brand name: | Entelar Group | |
| Model, lot, batch or serial number: | EESTORE-5-C0 | |
| Description and function: | Bidirectional DC/DC Unit | |
| If radio product: | Frequency or frequency range (MHz): | Radiated power e.i.r.p (dBW): |
| Applicable standard title, number & edition: | CISPR 11:2015+A1:2016 (Group1) | |
| Test report number or other identifier: | CE2307WDG0053 | |

3. Declaration

I hereby declare that the product to which this declaration of conformity relates complies with the mentioned standard(s), and all products supplied under this Declaration will be identical to the sample identified in this Declaration.

| | |
|---|---|
| Signature of supplier/agent:  | Print name: Carey McCreagh |
| Date: 20/7/23 | Position in organisation: Head of Product & Distribution |

RADIO SPECTRUM MANAGEMENT

Supplier's Declaration of Conformity

Section 134 (1) (g) of the New Zealand Radiocommunications Act 1989

Note | This completed form remains with the supplier as part of the documentation required for the "Compliance folder"

1. Supplier details

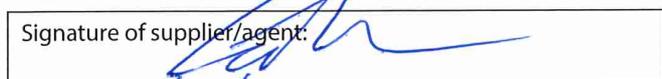
| | |
|---|--|
| Name (of manufacturer, importer or authorised agent): Entelar Group Ltd. | New Zealand physical address: 19 Gabador Place, Mount Wellington, Auckland 1060, New Zealand |
| New Zealand contact information: Telephone: +64 800 835 3447 Mobile: Fax: Email: support@entelargroup.co.nz | New Zealand postal address (if different): |
| (New Zealand) Company number or GST number: 9429050709007 | ERAC Supplier Number: E10442 |

2. Product details

| | | |
|--|-------------------------------------|-------------------------------|
| Brand name: | Entelar Group | |
| Model, lot, batch or serial number: | EESTORE-5-E0 | |
| Description and function: | Energy Storage Module | |
| If radio product: | Frequency or frequency range (MHz): | Radiated power e.i.r.p (dBW): |
| Applicable standard title, number & edition: | CISPR 11:2015+A1:2016 (Group1) | |
| Test report number or other identifier: | CE2307WDG0054 | |

3. Declaration

I hereby declare that the product to which this declaration of conformity relates complies with the mentioned standard(s), and all products supplied under this Declaration will be identical to the sample identified in this Declaration.

| | |
|---|---|
| Signature of supplier/agent:  | Print name: Casey McKeown |
| Date: 20/7/23 | Position in organisation: Head of Product + Distribution |