

22 January 2025

Shenzhen Growatt New Energy Co., Ltd.  
4-13/F. Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave  
Bao'an District, Shenzhen, Guangdong 515100  
CHINA

Attention: Wang Harvey, TÜV NORD (Hangzhou) Co. Ltd.

## CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Approval/Conformity EESS-241011-0.

Please immediately check and ensure the details are correct in accordance with your application.

**IMPORTANT:** This certificate requires the approval markings on the product label to be **CCS-241011-EA** and the Regulatory Compliance Mark (**RCM logo**) which must be used in accordance with its conditions of use set out in the latest edition of [AS/NZS 4417.1](#).

EESS Conformity Certification will upload the required certificate information to the National Database as detailed in the Australian/New Zealand Electrical Equipment Safety System (EESS), Equipment Safety Rules Appendix C. The Responsible Supplier must register their equipment of the Certification Equipment Database as part of the EESS and prior to sale.

This certification is based on type testing, modification to the certified product in any way must be notified to EESS Conformity Certification for endorsement. Details of the modification must be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Any change to the name or address of the certificate holder must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

An application for the transfer of Certificate from the existing Certificate Holder to another/new Certificate Holder may be made to EESS Conformity Certification by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Finally, please use the QR code below to take our two-minute survey and comment on our service.

Should you have any further queries, please contact us.

Yours sincerely,



Lloyd Knipe

Managing Director

Conformity Certification Services Pty Ltd  
trading as EESS Conformity Certification



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit [www.eessconformity.com](http://www.eessconformity.com)



Certificate No.: EESS-241011-0

## CERTIFICATE OF APPROVAL / CONFORMITY

**Certificate Holder:** Shenzhen Growatt New Energy Co., Ltd.  
4-13/F. Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave  
Bao'an District, Shenzhen, Guangdong 515100  
CHINA

**Regulatory Definition:** DC Isolator  
**Product Type:** DC Isolated Switch Installed Within Grid-Hybrid Inverter  
**Risk Level:** 3  
**Trade Name(s):** GROWATT  
**Model No(s):** PEDS150H-HM50R-6F  
**Ratings:**  $U_i=1500V$   $U_{imp}=8kV$  IP20  $I_{the}=50A$  (enclosed indoor)  
DC-PV2, No polarity,  $U_e / I_e: 800V/30A, 1100V/18A, 1500V/10A, I_{cw}: 780A, 1s$   
 $I_{cm}: 1.2kA$   $I_{(make)}/I_{(break)}: 4xI_e$   
 $I_{the}$  solar at 40°C: 43.5A (Limited by Max. current of the inverter)  
 $I_{the}$  solar at 60°C: 43.5A (Limited by Max. current of the inverter)  
Max Ambient temperature: 85°C, de-rating for the temperatures above 70°C,  
**Refer to Certificate Addendum for additional ratings**

**Standard(s):** AS 60947.3:2018

**Condition(s):** To be pre-installed by OEM within IP65 Grid-Hybrid Inverter Models SPM 10000TL-HU, SPM 8000TL-HU from Shenzhen Growatt New Energy Co., Ltd.

**Required Markings:** CCS-241011-EA (in accordance with NSW regulatory requirement) and the RCM logo (in compliance with AS/NZS 4417.1 & 2 and the EESS requirement)

**Date of Issue:** 22 January 2025

**Valid Until:** 22 January 2030

Conformity Certification Services Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. This certificate meets the requirement of the New South Wales Government Recognised External Approvals Scheme (REAS) and Queensland Government Recognised External Certification Scheme (RECS). Certification is based on type testing and within our terms and conditions.

For and on behalf of  
Conformity Certification Services Pty Ltd  
trading as EESS Conformity Certification



Fair  
Trading

Queensland  
Government

This certificate is recognised by all other States  
and Territories of Australia and New Zealand.  
PO Box 359, Revesby North, NSW 2212, Australia  
[www.eessconformity.com](http://www.eessconformity.com)



[www.jas-anz.org/register](http://www.jas-anz.org/register)



**Certificate No.: EESS-241011-0**

## CERTIFICATE ADDENDUM

### ADDITIONAL RATINGS

Number of poles: 6 layers (with 3 load)

The d.c. isolator classified as:

- 1) Enclosed indoor IP20 without a dedicated individual enclosure. Empty enclosure size (Min.): 265mm x 220mm x 65mm (W x H x D), Material: Steel
- 2) Enclosed outdoor. Installed within IP65 rated power conditioning equipment (PCE). Suitable for installation exposed to sunlight as per AS/NZS 5033.

For and on behalf of  
Conformity Certification Services Pty Ltd  
trading as EESS Conformity Certification