

14 August 2017

Alpha ESS Co., Ltd.
JiuHua Road 888, Nantong High-Tech Industrial Development Zone,
Nantong city, 226300, Jiangsu Province, P.R.China

Attention: Grace Gao, Eurofins Product Testing Service (Shanghai) Co., Ltd

CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-170261-0.

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

This certificate may be used for the purposes of registering the inverter with the Clean Energy Council. This may be necessary in order for the inverter to be installed depending on the utility company, state or regional area. For further information see: <https://www.solaraccreditation.com.au/products/inverters/how-to-submit-an-inverter-for-approval.html>. To register with the CEC, the product model and brand must be listed by the responsible supplier on the ERAC database.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1.

Please arrange for the collection of any sample of the product which accompanied your application within 14 days of the date of this letter. If the sample has not been collected by this date, it will be disposed of without further notice.

Please note that as certification is based on type testing, modification to the electrical equipment in any way must be notified to EESS Conformity Certification for certification. Details of the modification may be advised by completing and submitting the form EESS-F01 "Application for Certification".

Any change to the name or address of the holder of the certificate must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the form EESS-F01 "Application for Certification".

An application for the transfer of the Certificate from the existing Certificate Holder to another Holder may be made to EESS Conformity Certification by completing and submitting the form EESS-F02 "Application for Transfer of Certificate Holder".

Should you have any further queries, please contact the undersigned.

Yours sincerely,

Elaine Clayton,
Executive Director
For and on behalf of Conformity Certification Services Pty Ltd



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit www.eessconformity.com



Certificate No.: EESS-170261-0

CERTIFICATE OF SUITABILITY

- Certificate Holder: Alpha ESS Co., Ltd.
JiuHua Road 888, Nantong High-Tech Industrial Development Zone,
Nantong city, 226300, Jiangsu Province, P.R.China
- Product Class: Non-Prescribed
Product Type: Energy Storage Inverter
Risk Classification: AU Risk Level: 1; NZ Risk Level: None
Trade Name: Alpha.ESS
Model No: SMILE5-INV-04 and SMILE5-INV
Ratings: Input Voltage: Vmax 580V DC; Output Voltage: 230V, 50/60 Hz; Class I, IP65
Power and Current: For specific ratings see Certificate Addendum
Fixed equipment for permanent connection for use outdoors. OVC Mains: OVC III; OVC PV: OVC II.
Pollution Degree III (external- protected environment inside enclosure PD II) for use at a maximum
altitude of 2000m and maximum ambient temperature of 60°C. 40kg.
- Standard(s): AS/NZS 4777.2:2015 with AS 62040.1.1-2003 (R2013) and
IEC 62109-2: 2011 (Edition 1.0) with IEC 62109-1:2010 (Edition 1.0)
- Conditions:
- *The certification is for the inverter only. Ancillary equipment or accessories, including, but not limited to batteries, battery enclosures, automatic connection devices for the EPS port and the installation/wiring thereof are not certified hereunder.*
 - *Must be installed in accordance with the current editions of AS/NZS 5033 and AS/NZS 3000 with an external DC isolator switch and a 32A circuit breaker between the inverter and the AC grid. The system is only to be used for charging and discharging lead acid batteries. The system may only be installed in accordance with all relevant local regulations and standards for both inverters and battery energy storage systems.*
 - *The product was tested on hardware version: V1.00 and software version: V1.00*
- Required marking: The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1.
- Current Date of Issue: 15 August 2017
Valid until: 14 August 2022

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. Certification is based on type testing.

Elaine Clayton,
Executive Director
For and on behalf of Conformity Certification Services Pty Ltd
Trading as EESS Conformity Certification



CERTIFICATE ADDENDUM

Model
No(s):

Model	Input Voltage (MPPT)	Power	Max Current Input/Output	Battery Voltage and Charge/Discharge Current
SMILE5-INV-04	125-550Vd.c	3680W	12A x 2/17.7A	48V/100A
SMILE5-INV	125-550Vd.c	4600W	12A x 2/22A	48V/100A



Elaine Clayton, Executive Director
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JAS-ANZ



www.jas-anz.org/register

