



File Ref: CS11244N
Contact: Admin Clerk
Telephone: 02 9372 8312

Elizabeth Chen
Renac Power Technology Co., Ltd.
C/- Bureau Veritas Hong Kong Limited.
Room 702, 7F, Harbourside HQ, 8, Lam Chak Street
Kowloon Bay
Hong Kong

Dear Sir/Madam

CERTIFICATE OF SUITABILITY: CS11244N AND VARIATION/S

Inverter

Please find enclosed a Certificate of Suitability and addendum as sought by your application.

Articles of the approved type may be marked with the mark (or alternate approval mark) shown on the Certificate.

THE APPROVAL EXPIRES ON THE DATE SHOWN ON THE CERTIFICATE unless it is renewed, extended, suspended or cancelled.

Yours faithfully

1 August 2024

For Secretary, Department of Customer Service




Certificate of Suitability Non-Declared Article

Pursuant to Section 16 (1) of the Gas and Electricity (Consumer Safety)
Act 2017

Certificate Number: **CS11244N**

This is to certify that the article specified below is accepted by NSW FAIR TRADING as suitable for connection to public electricity supply in NEW SOUTH WALES in accordance with the provisions of AS/NZS 3000 and subject to the condition stated.

Issued to:	Renac Power Technology Co., Ltd.
Article:	Hybrid Inverter [Three-Phase, Non-isolated (transformerless) bidirectional Hybrid Inverter which converts direct current optimized by photovoltaic or battery system to alternating current intended to be connected into household generation systems and utilizes solar power, utility power and battery power to ensure continuous power supply, housed inside metallic enclosure for outdoor use]
Trade Name or Mark:	
Ratings:	<u>DC Input:</u> Max. Voltage:1000V, Max. DC Current (input A/input B): 18A/18A, Max. Short Circuit Current (input A/input B): 23A/23A <u>AC Input & Output:</u> Rated Grid Voltage: 3/N/PE,220/380,230/400V, Rated Grid Frequency: 50/60Hz, Rated AC Output Current: 14.4A, Max. AC Output/Input Current: 15.2A/30.4A, Nominal AC Output Power: 10000W, Rated AC Output Apparent Power: 10000VA, Total Harmonics Distortion: <3%, Power Factor Range: 0.8 leading to 0.8 lagging. <u>Others:</u> EPS Rated Voltage: 3/N/PE,220/380,230/400V, EPS Rated Power: 10000W, EPS Rated Current: 15.2A, Battery Type: Lithium, Battery Voltage Operating Range: 160-700V, Max. Charging/Discharging Current: 30A, Max. Charging/Discharging Power: 10000W, Operating Ambient Temperature Range: -25 degree C to +60 degree C, Protective Class: Class I, Ingress Protection: IP65, Inverter Topology: Non-Isolated, Overvoltage Category: DC: II, Mains: III
Type Reference Code:	N3-HV-10.0
Examined for Compliance With:	IEC 62109-1:2010; IEC 62109-2:2011; AS/NZS 4777.2:2020
Nominated Marking:	CS11244N or approved alternate mark
Date of Approval:	30/07/2024
Approval Expires:	30/07/2029 unless suspended, cancelled, renewed or extended

Condition: 1.This certificate is issued subject to the article and approved variations being maintained at the specification/s of the article examined at the time of approval. 2.The assessment is based on electrical safety standards, compliance with performance requirements is excluded from the assessment.



1 August 2024



On behalf of the Secretary, Department of Customer Service
For information regarding currency of model approval, refer to the Fair Trading Website



Ref: CS11244/1

ADDENDUM TO CERTIFICATE OF SUITABILITY: CS11244N Particulars of Modification(s)

Model No. N3-HV-5.0 being similar to Model No. N3-HV-10.0 except for the following ratings:
Rated AC Output Current: 7.2A, Max. AC Output/Input Current: 7.6A/15.2A, Nominal AC Output Power:
5000W, Rated AC Output Apparent Power: 5000VA, EPS Rated Power: 5000W, EPS Rated Current: 7.6A,
Max. Charging/Discharging Power: 5000W

Model No. N3-HV-6.0 being similar to Model No. N3-HV-10.0 except for the following ratings:
Rated AC Output Current: 8.7A, Max. AC Output/Input Current: 9.1A/18.2A, Nominal AC Output Power:
6000W, Rated AC Output Apparent Power: 6000VA, EPS Rated Power: 6000W, EPS Rated Current: 9.1A,
Max. Charging/Discharging Power: 6000W

Model No. N3-HV-8.0 being similar to Model No. N3-HV-10.0 except for the following ratings:
Rated AC Output Current: 11.5A, Max. AC Output/Input Current: 12.2A/24.3A, Nominal AC Output Power:
8000W, Rated AC Output Apparent Power: 8000VA, EPS Rated Power: 8000W, EPS Rated Current: 12.2A,
Max. Charging/Discharging Power: 8000W

This certificate will expire on 30/07/2029

Approved pursuant to Clause 15 (1) of the Gas and Electricity (Consumer Safety) Regulation 2018:
30 July 2024

1 August 2024

For Secretary, Department of Customer Service