

18 October 2022

Renac Power Technology Co., Ltd.
Block C-12, No. 20 Datong Road, Comprehensive Bonded Zone
Suzhou Hi-Tech District, Suzhou, Jiangsu Province 215011
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 Suitability EESS-220839-0.

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

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 or their Authorised Representative is still required to register their equipment on the National Database as part of the EESS.

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](#).

The assessment was reviewed with the standards and conditions required by Clean Energy Council at the time of issue with test reports referenced, <https://www.cleanenergycouncil.org.au/industry/products>

This 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 application online via our Online Application System (OAS) with your login credentials.

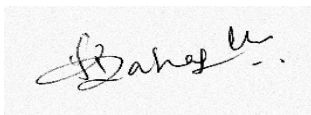
Any change to the name or address of the holder of the certificate must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application online via our Online Application System (OAS) with your login credentials.

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 application online 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,



For and on behalf of
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



Certificate No.: EESS-220839-0

CERTIFICATE OF SUITABILITY

Certificate Holder: Renac Power Technology Co., Ltd.
Block C-12, No. 20 Datong Road, Comprehensive Bonded Zone
Suzhou Hi-Tech District, Suzhou, Jiangsu Province 215011
CHINA

Regulatory Definition: Non-declared / In-scope
Product Type: Hybrid Inverter
Risk Level: 1
Trade Name: RENAC
Model No(s): N1-HV-3.0, N1-HV-3.68, N1-HV-5.0, N1-HV-6.0
Ratings: **Refer to the Certificate Addendum on page 3 for Ratings.**

Standard(s): IEC 62109-1:2010 and IEC 62109-2:2011 – (reference Test Report CN22Z9DU 001)
AS/NZS 4777.2:2020 – (reference Test Report PVP03106/22E-01)

Conditions: To be installed by a Licenced Installer in accordance with the AS/NZS Wiring rules, CEC Guidelines, and the manufacturer's Installation Manual.
This Certification does not consider other installation requirements or the additional Clean Energy Council requirements for Grid Connect inverters or power conversion equipment (PCE).

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.

Date of Issue: 18 October 2022
Valid until: 17 October 2027

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 Queensland Government Recognised External Certification Scheme (RECS). Certification is based on type testing.

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



Certificate No.: EESS-220839-0

Certificate Addendum

Model and Rating		N1-HV-3.0	N1-HV-3.68	N1-HV-5.0	N1-HV-6.0
PV INPUT	Vmax PV in Vdc	600			
	ISC PV in A	17/17			
	MPP Voltage Range VMPP in Vdc	120-550			
	Max. Input Current I _{MAX} in A	13.5/13.5			
	Start PV Voltage in Vdc	150			
	Backfeed Current in A	0			
	Overvoltage Category (OVC)	II			
Battery Side	Battery voltage range in Vdc	80-450			
	Max. Charging/Discharging current PV in Adc	25			
	Max. Charging/Discharging Power in kW/kVA	4.5/3	5.5/3.68	6/5	6/6
	Overvoltage Category (OVC)	II			
AC side	On-grid port:				
	Rated Output Voltage in Vac	220/230/240			
	Rated Output Frequency in Hz	50/60			
	Rated Output Power in kW/kVA	3	3.68	5	6
	Max. Output Apparent Power in kVA	3	3.68	5	6
	Max. Output Current in Aac	13	16	21.7	26.
	Output Power Factor in λ	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)			
	Overvoltage Category (OVC)	III			
	Back-up port:				
	Rated Output Voltage in Vac	220/230			
	Rated Output Frequency in Hz	50/60			
	Rated Output Power in kW/kVA	3	3.68	5	6
	Max. Output Apparent Power in kVA	3	3.68	5	6
	Rated Output Current in Aac	13	16	21.7	26.1
	System	OVCI, Class I, IP65, -30 to 60°C, PD3, ≤2000m altitude, <3% THDv, <15 hot standby <3 cold standby, weight 20Kg, Firmware 1.00, Dimension 506W x 386D x 170H mm			