



Product Service

# Attestation of Conformity

No. E8A 120820 0004 Rev. 00

**Holder of Attestation:** **Renac Power Technology Co., Ltd.**  
Block C-12, No. 20 Datong Road, Comprehensive Bonded Zone  
Suzhou Hi-Tech District  
215004 Suzhou  
PEOPLE'S REPUBLIC OF CHINA

**Name of Object:** **Converter**  
**(Hybrid Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772223104901A

**Date,** 2023-06-26

( Tony Liu )

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

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**Model(s):** N3-HB-50.0

## Description of Object:

Model:	N3-HB-50.0
PV input terminal parameters:	
Maximum input voltage	1000 V d.c.
MPPT voltage range	350 V d.c. ~ 800 V d.c.
MPPT voltage range (full load)	667 V d.c. ~ 750 V d.c.
Maximum continuous PV input current	36/36/36 A d.c.
Maximum PV short circuit current	40/40/40 A d.c.
Maximum continuous PV input power	75 kW
Battery input/output terminal parameters:	
Battery type	Lithium-ion battery
Rated voltage	512 V d.c.
Battery voltage range	350 V d.c. ~ 750 V d.c.
Rated charging power	50 kW
Maximum charging current	55/55 A d.c.
Rated discharging power	50 kW
Maximum discharging current	55/55 A d.c.
AC input terminal parameters:	
Rated input voltage	400 V a.c., 3/PE
Rated input frequency	50 / 60 Hz
Maximum continuous input current	80 A a.c.
Maximum input active power	50 kW
Maximum input apparent power	55 kVA
AC output rating	
Rated output voltage	400 V a.c., 3/PE
Rated output frequency	50 / 60 Hz
Maximum continuous output current	80 A a.c.
Maximum continuous output active power	50 kW
Maximum continuous output apparent power	55 kVA
Power factor	0.9 leading to 0.9 lagging
General	
Operating temperature range	-25 °C ~ 60 °C (Derating above 45 °C)
Protection class	I
Ingress protection	IP65
Operating altitude range	≤3000m

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**Tested  
according to:**

EN IEC 61000-6-2:2019  
EN IEC 61000-6-4:2019  
EN IEC 61000-3-11:2019  
EN 61000-3-12:2011

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