



Product Service

# Attestation of Conformity

No. N8A 120820 0002 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

**Product:** **Converter  
(Hybrid Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment 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.:** 64290233051501

**Date,** 2023-05-10

( Billy Qiu )

Page 1 of 2

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.



TUV®



Product Service

# Attestation of Conformity

No. N8A 120820 0002 Rev. 00

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

## Parameters:

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/output terminal parameters:	
Rated voltage	400 V a.c., 3W/PE
Rated frequency	50 / 60 Hz
Maximum continuous current	80 A a.c.
Maximum active power	50 kW
Maximum 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

**Tested according to:** EN 62109-1:2010  
 EN 62109-2:2011  
 EN 62477-1:2012/A12:2021

Page 2 of 2

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.

