

# CERTIFICATE OF CONFORMITY

## CERTIFICATO DI CONFORMITÀ



Issued to: Renac Power Technology Co., Ltd.  
Block C-12, No. 20 Datong Road, Comprehensive Bonded Zone, Suzhou Hi-Tech District, Suzhou, China

For the product: PV Grid-tied Inverter

Trade name: **RENAC**

Type/Model: R1-1K1, R1-1K6, R1-2K2, R1-2K5, R1-2K7, R1-3K, R1-3K3  
R1-1.1K1, R1-1.6K1, R1-2.2K1, R1-2.5K1, R1-2.7K1, R1-3K1, R1-3.3K1

Ratings: See Annex

Manufactured by: Renac Power Technology Co., Ltd.  
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Requirements: IEC 61727:2004  
IEC 62116:2014  
IEC 60068-2-1:2007  
IEC 60068-2-2:2007  
IEC 60068-2-14:2023  
IEC 60068-2-27:2008  
IEC60068-2-30:2005  
IEC 60068-2-64:2008+A1:2019

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6200383.51, 6200383.52, 6200383.53

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the minilecture's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2029-09-24 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 24 September 2024

Number: 6200383.02COC

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin  
Certification Manager

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Document no. : 6200383.02COC

## Ratings of product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

OVC: DC II / AC III

Power factor range (adjustable): (0.8 leading...0.8 lagging)

### R1-1K1

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:5 A, Max 1100 VA, rated active power: 1100 W

### R1-1K6

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:7.3 A, Max 1600 VA, rated active power: 1600 W

### R1-2K2

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:10 A, Max 2200 VA, rated active power: 2200 W

### R1-2K5

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:11.4 A, Max 2500 VA, rated active power: 2500 W

### R1-2K7

PV Input: Max 550 Vdc, MPPT voltage range: 50-550 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:12.3 A, Max 2700 VA, rated active power: 2700 W

### R1-3K

PV Input: Max 550 Vdc, MPPT voltage range: 50-550 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:13.6 A, Max 3000 VA, rated active power: 3000 W

### R1-3K3

PV Input: Max 550 Vdc, MPPT voltage range: 50-550 Vdc, Max 16 A, Isc PV: 20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:15 A, Max 3300 VA, rated active power: 3300 W

### R1-1.1K1

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:5 A, Max 1100 VA, rated active power: 1100 W

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## R1-1.6K1

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:7.3 A, Max 1600 VA, rated active power: 1600 W

## R1-2.2K1

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:10 A, Max 2200 VA, rated active power: 2200 W

## R1-2.5K1

PV Input: Max 500 Vdc, MPPT voltage range: 45-500 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:11.4 A, Max 2500 VA, rated active power: 2500 W

## R1-2.7K1

PV Input: Max 550 Vdc, MPPT voltage range: 50-550 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:12.3 A, Max 2700 VA, rated active power: 2700 W

## R1-3K1

PV Input: Max 550 Vdc, MPPT voltage range: 50-550 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:13.6 A, Max 3000 VA, rated active power: 3000 W

## R1-3.3K1

PV Input: Max 550 Vdc, MPPT voltage range: 50-550 Vdc, Max 18 A, Isc PV: 23 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:15 A, Max 3300 VA, rated active power: 3300 W

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