

# 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: R1-3.68K, R1-4K, R1-5K, R1-5K-A, R1-6K, R1-3.68K1, R1-4K1, R1-5K1, R1-6K1

Ratings: See Annex

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

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. 6200378.51, 6200378.52, 6200378.53

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the minilature'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 2029-09-27 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 27 September 2024

Number: 6200378.02COC

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin  
Certification Manager

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Document no. : 6200378.02COC

## 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)

### R1-3.68K

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 16/16 A, Isc PV: 20/20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:16 A, Max 3680 VA, rated active power: 3680 W

### R1-4K

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 16/16 A, Isc PV: 20/20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:20 A, Max 4400 VA, rated active power: 4000 W

### R1-5K

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 16/16 A, Isc PV: 20/20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:25 A, Max 5500 VA, rated active power: 5000 W

### R1-5K-A

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 16/16 A, Isc PV: 20/20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:21.7 A, Max 5000 VA, rated active power: 5000 W

### R1-6K

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 16/16 A, Isc PV: 20/20 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:27.3 A, Max 6000 VA, rated active power: 6000 W

### R1-3.68K1

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 20 A, Isc PV: 25 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:16 A, Max 3680 VA, rated active power: 3680 W

### R1-4K1

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 20 A, Isc PV: 25 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:20 A, Max 4400 VA, rated active power: 4000 W

### R1-5K1

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 20 A, Isc PV: 25 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:25 A, Max 5500 VA, rated active power: 5000 W

### R1-6K1

PV Input: Max 600 Vdc, MPPT voltage range: 80-550 Vdc, Max 20 A, Isc PV: 25 A

AC Output: 220 / 230 Vac, L/N/PE, 50 / 60 Hz, Max current:27.3 A, Max 6000 VA, rated active power: 6000 W

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