

# CERTIFICATE

No. Z2 108456 0005 Rev. 00

Holder of Certificate:



Certification Mark:



Product:

**Converter  
(PV grid-interactive inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

Test report no.: 64290180199402A

Valid until: 2025-06-10

Date, 2020-06-16



( Billy Qiu )

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**Model(s):** NAC60K-LV, NAC70K, NAC80K

## Parameters:

Model	NAC60K-LV	NAC70K	NAC80K
V <sub>max</sub> PV	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
I <sub>sc</sub> PV	45 Ad.c. × 4	45 Ad.c. × 4	60 Ad.c. × 2 45 Ad.c. × 2
PV input operating voltage range	200 ~ 1000 Vd.c.	200 ~ 1000 Vd.c.	200 ~ 1000 Vd.c.
Maximum operating PV input current	33 Ad.c. × 4	33 Ad.c. × 4	44 Ad.c. × 2 33 Ad.c. × 2
Nominal output voltage	3P /N/ PE, 400Va.c.	3P /N/ PE, 400Va.c.	3P /N/ PE, 400Va.c.
Nominal output frequency	50Hz	50Hz	50Hz
Maximum continuous output current	95.3 Aa.c.	111.1 Aa.c.	127.0 Aa.c.
Maximum continuous output power	66 KW	77 KW	88 KW
Power factor (Cos φ)	0.8 leading ~ 0.8 lagging	0.8 leading ~ 0.8 lagging	0.8 leading ~ 0.8 lagging
Protect class	I	I	I
Overvoltage category (OVC)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)
Pollution degree	PD 3	PD 3	PD 3
Ingress protection	IP 65	IP 65	IP 65
Ambient temperature range	-40°C to 60°C (derating above 45°C)	-40°C to 60°C (derating above 45°C)	-40°C to 60°C (derating above 45°C)

**Tested  
according to:**

IEC 62109-1:2010  
EN 62109-1:2010  
IEC 62109-2:2011  
EN 62109-2:2011

**Production  
Facility(ies):**

076189