



Product Service

CERTIFICATE

No. B 105620 0014 Rev. 00

Holder of Certificate: Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area, Liushi Town
325604 Yueqing City
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Constant voltage supply
Automatic constant voltage supplies

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 874102313605-00

Valid until: 2029-05-30

Date, 2024-05-31

(Jie Zhu)

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Model(s): TNS-1.5, TNS-3, TNS-4.5, TNS-6, TNS-9,
TNS-15, TNS-20, TNS-30, TNS-40, TNS-50,
TNS-60, TNS-75
TND-0.5, TND-1, TND-1.5, TND-2, TND-3,
TND-5, TND-7.5, TND-10, TND-15, TND-20,
TND-30

Parameters:

Rated input: TNS series: 380VAC, $\pm 13\%$, 50/60Hz, 3-phase
TND series: 220VAC, $\pm 13\%$, 50/60Hz, 1-phase

Rated output: TNS series: 380VAC, $\pm 3\%$, 50/60Hz, 3-phase
TND series: 220VAC, $\pm 3\%$, 50/60Hz, 1-phase
Details refer to table 1 and table 2

Insulation class: Class B

Rated ambient temperature: 25°C

Protection class: Class I

Degree of protection: IP20

Remark: These constant voltage supplies shall be installed by authorized person, and not for household and similar use.

Table 1

Model	Rated input	Rated output
TNS-1.5	380VAC, $\pm 13\%$, 50/60Hz, 3-phase	380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 1.5kVA
TNS-3		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 3kVA
TNS-4.5		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 4.5kVA
TNS-6		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 6kVA
TNS-9		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 9kVA
TNS-15		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 15kVA
TNS-20		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 20kVA
TNS-30		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 30kVA
TNS-40		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 40kVA
TNS-50		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 50kVA
TNS-60		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 60kVA
TNS-75		380VAC, $\pm 3\%$, 50/60Hz, 3-phase, 75kVA

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Table 2

Model	Rated input	Rated output
TND-0.5	220VAC, $\pm 13\%$, 50/60Hz, 1-phase	220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 0.5kVA
TND-1		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 1kVA
TND-1.5		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 1.5kVA
TND-2		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 2kVA
TND-3		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 3kVA
TND-5		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 5kVA
TND-7.5		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 7.5kVA
TND-10		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 10kVA
TND-15		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 15kVA
TND-20		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 20kVA
TND-30		220VAC, $\pm 3\%$, 50/60Hz, 1-phase, 30kVA

Tested according to: EN IEC 61558-1:2019
EN 61558-2-12:2011