



Product Service

CERTIFICATE

No. B 105228 0042 Rev. 00

Holder of Certificate: **Mornsun Guangzhou Science & Technology Co., Ltd.**

No. 8, Nanyun Road 4
Huangpu District
510670 Guangzhou, Guangdong
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Converter
(DC-DC converter)**

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

Test report no.: 64210230083201

Valid until: 2028-06-28

Date, 2023-07-03

(Richard Zhu)

CERTIFICATE

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Model(s):

K12MT-6A-P, K12MT-6A-N, K12MT-12A-P,
 K12MT-12A-N, K12MT-16A-P, K12MT-16A-N,
 K12MT-6A-P-TR, K12MT-6A-N-TR, K12MT-12A-P-TR,
 K12MT-12A-N-TR, K12MT-16A-P-TR, K12MT-16A-N-TR,
 K12MT-6A-P-xy, K12MT-6A-N-xy, K12MT-12A-P-xy,
 K12MT-12A-N-xy, K12MT-16A-P-xy, K12MT-16A-N-xy
 (x = A-Z, y=0-9 stand for different market purpose; Model
 with suffix '-TR' stands for reel packing.)

Brand Name:

MORNSUN

MORNSUN®

Parameters:

Rated Input: See below table for details
 Rated Output: See below table for details
 Protection Class: III
 Degree of Protection: IPX0

Remarks:

- When installing the equipment, all requirements of the relevant standards must be fulfilled.
- Built-in type equipment, suitable enclosure should be provided by end system.
- The built-in component has no in-line fuse. For safe operation, an external fuse listed in model list must be employed as input line fuse before installation.

Model	Input ratings	Output ratings	External fuse
K12MT-6A-P, K12MT-6A-N, K12MT-6A-P-TR, K12MT-6A-N-TR, K12MT-6A-P-xy, K12MT-6A-N-xy	4.5VDC-14.4VDC, 4.5A	0.6VDC-5.5VDC, 6.0A, 3.6W-33.0W	250VAC, 5A
K12MT-12A-P, K12MT-12A-N, K12MT-12A-P-TR, K12MT-12A-N-TR, K12MT-12A-P-xy, K12MT-12A-N-xy	4.5VDC-14.4VDC, 10A	0.6VDC-5.5VDC, 12.0A, 7.2W-66.0W	250VAC, 10A
K12MT-16A-P, K12MT-16A-N, K12MT-16A-P-TR, K12MT-16A-N-TR, K12MT-16A-P-xy, K12MT-16A-N-xy	4.5VDC-14.4VDC, 10A	0.6VDC-3.63VDC, 16.0A, 9.6W-58.0W	250VAC, 10A

Tested according to: EN IEC 62368-1:2020/A11:2020