



Product Service

CERTIFICATE

No. B 110609 0004 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: **AC-DC and DC-DC converters
(AC-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.: 64210210090401

Valid until: 2026-05-12

Date, 2021-05-14

(Richard Zhu)

CERTIFICATE

No. B 110609 0004 Rev. 00

Model(s):

LM15-23B03, LM15-23B03-C, LM15-23B03-Q,
 LM15-23B03-CQ, LM15-23B03-x, LM15-23B03-C-x,
 LM15-23B03-Q-x, LM15-23B03-CQ-x,
 LM15-23B03-xx, LM15-23B03-C-xx,
 LM15-23B03-Q-xx, LM15-23B03-CQ-xx,
 LM15-23B03-xxx, LM15-23B03-C-xxx,
 LM15-23B03-Q-xxx, LM15-23B03-CQ-xxx,
 LM15-23B05, LM15-23B05-C, LM15-23B05-Q,
 LM15-23B05-CQ, LM15-23B05-x, LM15-23B05-C-x,
 LM15-23B05-Q-x, LM15-23B05-CQ-x, LM15-23B05-xx,
 LM15-23B05-C-xx, LM15-23B05-Q-xx,
 LM15-23B05-CQ-xx, LM15-23B05-xxx,
 LM15-23B05-C-xxx, LM15-23B05-Q-xxx,
 LM15-23B05-CQ-xxx, LM15-23B12, LM15-23B12-C,
 LM15-23B12-Q, LM15-23B12-CQ, LM15-23B12-x,
 LM15-23B12-C-x, LM15-23B12-Q-x, LM15-23B12-CQ-x,
 LM15-23B12-xx, LM15-23B12-C-xx, LM15-23B12-Q-xx,
 LM15-23B12-CQ-xx, LM15-23B12-xxx,
 LM15-23B12-C-xxx, LM15-23B12-Q-xxx,
 LM15-23B12-CQ-xxx, LM15-23B15, LM15-23B15-C,
 LM15-23B15-Q, LM15-23B15-CQ, LM15-23B15-x,
 LM15-23B15-C-x, LM15-23B15-Q-x, LM15-23B15-CQ-x,
 LM15-23B15-xx, LM15-23B15-C-xx, LM15-23B15-Q-xx,
 LM15-23B15-CQ-xx, LM15-23B15-xxx, LM15-23B15-C-xxx,
 LM15-23B15-Q-xxx, LM15-23B15-CQ-xxx, LM15-23B24,
 LM15-23B24-C, LM15-23B24-Q, LM15-23B24-CQ,
 LM15-23B24-x, LM15-23B24-C-x, LM15-23B24-Q-x,
 LM15-23B24-CQ-x, LM15-23B24-xx, LM15-23B24-C-xx,
 LM15-23B24-Q-xx, LM15-23B24-CQ-xx, LM15-23B24-xxx,
 LM15-23B24-C-xxx, LM15-23B24-Q-xxx,
 LM15-23B24-CQ-xxx, LM15-23B48, LM15-23B48-C,
 LM15-23B48-Q, LM15-23B48-CQ, LM15-23B48-x,
 LM15-23B48-C-x, LM15-23B48-Q-x, LM15-23B48-CQ-x,
 LM15-23B48-xx, LM15-23B48-C-xx, LM15-23B48-Q-xx,
 LM15-23B48-CQ-xx, LM15-23B48-xxx, LM15-23B48-C-xxx,
 LM15-23B48-Q-xxx, LM15-23B48-CQ-xxx
 (x=0-9, A-Z stands for different marketing purpose.)



CERTIFICATE

No. B 110609 0004 Rev. 00

Brand Name: MORNSUN



Parameters:

Rated Input: 100-240VAC, 0.4A, 50/60Hz

Rated Output: See below table for details

Protection Class: I

Degree of Protection: IPX0

Remark:

- The products are built-in type equipment, suitable enclosure should be provided by end system.

Tested according to: EN 62368-1:2014/A11:2017

CERTIFICATE

No. B 110609 0004 Rev. 00

Model number	Output voltage (VDC)	Output current (A)	Output power
LM15-23B03, LM15-23B03-C, LM15-23B03-Q, LM15-23B03-CQ, LM15-23B03-x, LM15-23B03-C-x, LM15-23B03-Q-x, LM15-23B03-CQ-x, LM15-23B03-xx, LM15-23B03-C-xx, LM15-23B03-Q-xx, LM15-23B03-CQ-xx, LM15-23B03-xxx, LM15-23B03-C-xxx, LM15-23B03-Q-xxx, LM15-23B03-CQ-xxx	3.3V	3.0A	9.9W
LM15-23B05, LM15-23B05-C, LM15-23B05-Q, LM15-23B05-CQ, LM15-23B05-x, LM15-23B05-C-x, LM15-23B05-Q-x, LM15-23B05-CQ-x, LM15-23B05-xx, LM15-23B05-C-xx, LM15-23B05-Q-xx, LM15-23B05-CQ-xx, LM15-23B05-xxx, LM15-23B05-C-xxx, LM15-23B05-Q-xxx, LM15-23B05-CQ-xxx	5.0V	3.0A	15.0W
LM15-23B12, LM15-23B12-C, LM15-23B12-Q, LM15-23B12-CQ, LM15-23B12-x, LM15-23B12-C-x, LM15-23B12-Q-x, LM15-23B12-CQ-x, LM15-23B12-xx, LM15-23B12-C-xx, LM15-23B12-Q-xx, LM15-23B12-CQ-xx, LM15-23B12-xxx, LM15-23B12-C-xxx, LM15-23B12-Q-xxx, LM15-23B12-CQ-xxx	12.0V	1.3A	15.6W
LM15-23B15, LM15-23B15-C, LM15-23B15-Q, LM15-23B15-CQ, LM15-23B15-x, LM15-23B15-C-x, LM15-23B15-Q-x, LM15-23B15-CQ-x, LM15-23B15-xx, LM15-23B15-C-xx, LM15-23B15-Q-xx, LM15-23B15-CQ-xx, LM15-23B15-xxx, LM15-23B15-C-xxx, LM15-23B15-Q-xxx, LM15-23B15-CQ-xxx	15.0V	1.0A	15.0W



CERTIFICATE

No. B 110609 0004 Rev. 00

LM15-23B15-C-xxx, LM15-23B15-Q-xxx, LM15-23B15-CQ-xxx			
LM15-23B24, LM15-23B24-C, LM15-23B24-Q, LM15-23B24-CQ, LM15-23B24-x, LM15-23B24-C-x, LM15-23B24-Q-x, LM15-23B24-CQ-x, LM15-23B24-xx, LM15-23B24-C-xx, LM15-23B24-Q-xx, LM15-23B24-CQ-xx, LM15-23B24-xxx, LM15-23B24-C-xxx, LM15-23B24-Q-xxx, LM15-23B24-CQ-xxx	24.0V	0.625A	15.0W
LM15-23B48, LM15-23B48-C, LM15-23B48-Q, LM15-23B48-CQ, LM15-23B48-x, LM15-23B48-C-x, LM15-23B48-Q-x, LM15-23B48-CQ-x, LM15-23B48-xx, LM15-23B48-C-xx, LM15-23B48-Q-xx, LM15-23B48-CQ-xx, LM15-23B48-xxx, LM15-23B48-C-xxx, LM15-23B48-Q-xxx, LM15-23B48-CQ-xxx	48.0V	0.32A	15.36W