



Product Service

CERTIFICATE

No. B 105228 0009 Rev. 00

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

No.5,Kehui St.1,Kehui development center,Science Ave
Guangzhou Science City, Luogang district
510000 Guangzhou, Guangdong
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Converter
(AC-DC or 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.: 652102013201

Valid until: 2025-11-02

Date, 2020-11-03

(Richard Zhu)

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Model(s):

LM50-20Bxx, LM50-20Bxx-C, LM50-20Bxx-Q,
LM50-20Bxx-CQ, LM50-20Bxx-aaa, LM50-20Bxx-C-aaa,
LM50-20Bxx-Q-aaa, LM50-20Bxx-CQ-aaa, LM50-22Bxx,
LM50-22Bxx-C, LM50-22Bxx-Q, LM50-22Bxx-CQ,
LM50-22Bxx-aaa, LM50-22Bxx-C-aaa,
LM50-22Bxx-Q-aaa, LM50-22Bxx-CQ-aaa,
LM50-23Bxx, LM50-23Bxx-C, LM50-23Bxx-Q,
LM50-23Bxx-CQ, LM50-23Bxx-aaa, LM50-23Bxx-C-aaa,
LM50-23Bxx-Q-aaa, LM50-23Bxx-CQ-aaa, LM50-20Byyy,
LM50-20Byyy-C, LM50-20Byyy-Q, LM50-20Byyy-CQ,
LM50-20Byyy-aaa, LM50-20Byyy-C-aaa,
LM50-20Byyy-Q-aaa, LM50-20Byyy-CQ-aaa,
LM50-22Byyy, LM50-22Byyy-C, LM50-22Byyy-Q,
LM50-22Byyy-CQ, LM50-22Byyy-aaa,
LM50-22Byyy-C-aaa, LM50-22Byyy-Q-aaa,
LM50-22Byyy-CQ-aaa, LM50-23Byyy, LM50-23Byyy-C,
LM50-23Byyy-Q, LM50-23Byyy-CQ, LM50-23Byyy-aaa,
LM50-23Byyy-C-aaa, LM50-23Byyy-Q-aaa,
LM50-23Byyy-CQ-aaa
(xx=05, 12, 15, 24, 36 or 48 indicates rated output
voltage: 05=5.0VDC, 12=12.0VDC, 15=15.0VDC,
24=24.0VDC, 36=36.0VDC, 48=48.0VDC; yyy=050-528
indicates rated output voltage range 5.0-52.8VDC;
aaa=AAA-ZZZ indicates different marketing purpose)

Brand Name:

MORNSUN



Parameters:

Rated Input: See below table for details

Rated Output: See below table for details

Degree of Protection: IPX0

Remarks:

- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- It's built-in type equipment, suitable enclosure should be provided and evaluated in end system.

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Model (Input rating)	Rated output voltage (VDC)	Rated output current (A)	Max. rated output power (W)
LM50-20Bxx, LM50-20Bxx-C, LM50-20Bxx-Q, LM50-20Bxx-CQ, LM50-20Bxx-aaa, LM50-20Bxx-C-aaa, LM50-20Bxx-Q-aaa, LM50-20Bxx-CQ-aaa (100-240VAC, 1.2A, 50/60Hz or 120-340VDC, 1.2A);	5.0	0.01-10.0	50.0
LM50-22Bxx, LM50-22Bxx-C, LM50-22Bxx-Q, LM50-22Bxx-CQ, LM50-22Bxx-aaa, LM50-22Bxx-C-aaa, LM50-22Bxx-Q-aaa, LM50-22Bxx-CQ-aaa (185-240VAC, 0.8A, 50/60Hz or 260-340VDC, 0.8A);	12.0	0.01-4.2	50.4
LM50-23Bxx, LM50-23Bxx-C, LM50-23Bxx-Q, LM50-23Bxx-CQ, LM50-23Bxx-aaa, LM50-23Bxx-C-aaa, LM50-23Bxx-Q-aaa, LM50-23Bxx-CQ-aaa (100-277VAC, 1.2A, 50/60Hz or 120-370VDC, 1.2A)	15.0	0.01-3.4	51.0
	24.0	0.01-2.2	52.8
	36.0	0.01-1.45	52.2
	48.0	0.01-1.1	52.8

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LM50-20Byyy, LM50-20Byyy-C, LM50-20Byyy-Q, LM50-20Byyy-CQ, LM50-20Byyy-aaa, LM50-20Byyy-C-aaa, LM50-20Byyy-Q-aaa, LM50-20Byyy-CQ-aaa (100-240VAC, 1.2A, 50/60Hz or 120-340VDC, 1.2A);	5.0-5.5	0.01-10.0	50.0
LM50-22Byyy, LM50-22Byyy-C, LM50-22Byyy-Q, LM50-22Byyy-CQ, LM50-22Byyy-aaa, LM50-22Byyy-C-aaa, LM50-22Byyy-Q-aaa, LM50-22Byyy-CQ-aaa (185-240VAC, 0.8A, 50/60Hz or 260-340VDC, 0.8A);	5.6-13.2	0.01-4.2	50.4
LM50-23Byyy, LM50-23Byyy-C, LM50-23Byyy-Q, LM50-23Byyy-CQ, LM50-23Byyy-aaa, LM50-23Byyy-C-aaa, LM50-23Byyy-Q-aaa, LM50-23Byyy-CQ-aaa (100-277VAC, 1.2A, 50/60Hz or 120-370VDC, 1.2A)	13.3-18.0	0.01-3.4	51.0
LM50-22Byyy, LM50-22Byyy-C, LM50-22Byyy-Q, LM50-22Byyy-CQ, LM50-22Byyy-aaa, LM50-22Byyy-C-aaa, LM50-22Byyy-Q-aaa, LM50-22Byyy-CQ-aaa (185-240VAC, 0.8A, 50/60Hz or 260-340VDC, 0.8A);	18.1-28.8	0.01-2.2	52.8
LM50-23Byyy, LM50-23Byyy-C, LM50-23Byyy-Q, LM50-23Byyy-CQ, LM50-23Byyy-aaa, LM50-23Byyy-C-aaa, LM50-23Byyy-Q-aaa, LM50-23Byyy-CQ-aaa (100-277VAC, 1.2A, 50/60Hz or 120-370VDC, 1.2A)	28.9-39.6	0.01-1.45	52.2
LM50-23Byyy, LM50-23Byyy-C, LM50-23Byyy-Q, LM50-23Byyy-CQ, LM50-23Byyy-aaa, LM50-23Byyy-C-aaa, LM50-23Byyy-Q-aaa, LM50-23Byyy-CQ-aaa (100-277VAC, 1.2A, 50/60Hz or 120-370VDC, 1.2A)	39.7-52.8	0.01-1.1	52.8

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

Production 105773

Facility(ies):