

# Certificate of Conformity

NO.: ED200828015S

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant : Mornsun Guangzhou Science & Technology Co., Ltd.  
Address : No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R. China.  
Manufacturer : Mornsun Guangzhou Science & Technology Co., Ltd.  
Address : No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R. China.  
Trade Mark : **MORNSUN**<sup>®</sup>  
EUT : AC-DC converter  
M/N : LMF200-20B\*, LMF200-23B\* (\* means the model suffix, can be XX, XX-C, XX-Q, XX-ZZZ, XX-C-ZZZ, XX-Q-ZZZ, YYY, YYY-C, YYY-Q, YYY-ZZZ, YYY-C-ZZZ, YYY-Q-ZZZ, See attached model list for details.)  
LMF320-20B\*, LMF320-23B\* (\* means the model suffix, can be XX, XX-C, XX-Q, XX-ZZZ, XX-C-ZZZ, XX-Q-ZZZ, YYY, YYY-C, YYY-Q, YYY-ZZZ, YYY-C-ZZZ, YYY-Q-ZZZ, See attached model list for details.)  
Technical Data : Ref. to attached model list  
Test Standards : EN 62368-1:2014+A11:2017  
Version : Ver.1.0



  
.....  
(Manager)  
Nov. 11, 2020



The certificate is based on a single evaluation of one sample of above-mentioned products, It does not imply an assessment of the whole production and does not permit the use of the test lab. logo .

EMTEK (Dongguan) Co., Ltd.

Add: -1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China Http://www.emtek.com.cn E-mail: project@emtek.com.cn



| Model list   |                         |                                  |                             |  |                   |                            |
|--|-------------------------|----------------------------------|-----------------------------|--|-------------------|----------------------------|
| Model name   | Output voltage<br>(Vdc) | Max.<br>Output<br>current<br>(A) | Max.<br>Output<br>power (W) | Max. load<br>condition   | Transformer model |                            |
|  |                         |                                  |                             |  | Column 1          | Column 2                   |
| LMF200-20BXX<br>LMF200-20BXX-C<br>LMF200-20BXX-Q<br>LMF200-20BXX-ZZZ<br>LMF200-20BXX-C-ZZZ<br>LMF200-20BXX-Q-ZZZ<br>LMF200-23BXX<br>LMF200-23BXX-C<br>LMF200-23BXX-Q<br>LMF200-23BXX-ZZZ<br>LMF200-23BXX-C-ZZZ<br>LMF200-23BXX-Q-ZZZ                             | 5.0                     | 40.0                             | 200                         | 100%<br>load at<br>Ambient:<br>50°C,<br>50% Load<br>at<br>Ambient:<br>70°C | 51500841          | KBPOT402<br>00-153317<br>3 |
| LMF200-20BYYY<br>LMF200-20BYYY-C<br>LMF200-20BYYY-Q<br>LMF200-20BYYY-ZZZ<br>LMF200-20BYYY-C-ZZ<br>Z<br>LMF200-20BYYY-Q-<br>ZZZ<br>LMF200-23BYYY<br>LMF200-23BYYY-C<br>LMF200-23BYYY-Q<br>LMF200-23BYYY-ZZZ<br>LMF200-23BYYY-C-ZZ<br>Z<br>LMF200-23BYYY-Q-ZZ<br>Z | 4.0-5.8                 | 0-50A                            | 200                         |  |                   |                            |

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|  |   |  |   |  |  |
|--|---|--|---|--|--|
| LMF320-20BXX<br>LMF320-20BXX-C<br>LMF320-20BXX-Q<br>LMF320-20BXX-ZZZ<br>LMF320-20BXX-C-ZZZ<br>LMF320-20BXX-Q-ZZZ<br>LMF320-23BXX<br>LMF320-23BXX-C<br>LMF320-23BXX-Q<br>LMF320-23BXX-ZZZ<br>LMF320-23BXX-C-ZZZ<br>LMF320-23BXX-Q-ZZZ | 5.0<br><br><br>12.0<br><br>15.0<br><br>24.0<br><br>48.0                   | 60.0<br><br>26.7<br><br>21.4<br><br>13.4<br><br>6.7  | 300<br><br>320.4<br><br>321<br><br>321.6<br><br>321.6   | 51500841<br><br>51500842<br><br>51500843<br><br>51500844<br><br>51500845 | KBPOT402<br>00-153317<br>3<br><br>KBPOT402<br>00-153317<br>2<br><br>KBPOT402<br>00-153317<br>1<br><br>KBPOT402<br>00-153316<br>9<br><br>KBPOT402<br>00-153317<br>0 |
| LMF320-23BYYY<br>LMF320-23BYYY-C<br>LMF320-23BYYY-Q<br>LMF320-23BYYY-ZZZ<br>LMF320-23BYYY-C-ZZ<br>Z<br>LMF320-23BYYY-Q-<br>ZZZ   | 4.0-5.8<br><br>10.0-13.5<br><br>13.6-17.9<br><br>18.0-34.9<br><br>35-56.0 | 0.1-75.0<br>A<br><br>0.1-32.0<br>A<br><br>0.1-23.7<br>A<br><br>0.1-17.8<br>A<br><br>0.1-9.1A | 300<br><br>320.4<br><br>321.0<br><br>321.6<br><br>321.6 | 51500841<br><br>51500842<br><br>51500843<br><br>51500844<br><br>51500845 | KBPOT402<br>00-153317<br>3<br><br>KBPOT402<br>00-153317<br>2<br><br>KBPOT402<br>00-153317<br>1<br><br>KBPOT402<br>00-153316<br>9<br><br>KBPOT402<br>00-153317<br>0 |

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**Remark:**

**1. Definition of variables:**

| Variable | Rang of variable   | Content:  |
|----------|--------------------|---|
| XX       | 05, 12, 15, 24, 48 | 2 digits number, means output voltage 5.0Vdc, 12.0Vdc, 15.0Vdc, 24.0Vdc, 48.0Vdc.                               |
| YYY      | 040-560            | 3 digits number representing 10 time of output voltage in volt. Raise step by 0.1V, eg: 040=4.0Vdc, 560=56.0Vdc |
| Z        | A-Z, 0-9           | Is any Arabian number or English letter, use to distinguish between different sales purposes                    |

2. The step of the output current is 0.001A.

3. Models with suffix "C": Terminal block with protective cover, others are the same with the basic models.

4. Models with suffix "Q": PCB with conformal coating, others are the same with the basic models.

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