



Ref. Certif. No.

DK-104463-M3-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	AC-DC Converter
Name and address of the applicant	Mornsun Guangzhou Science &Technology Co Ltd. No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R. China.
Name and address of the manufacturer	Mornsun Guangzhou Science &Technology Co Ltd. No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R. China.
Name and address of the factory	Mornsun (Huaihua) Science &Technology Co.,Ltd. No.16, Jianshe Avenue, High-tech Industrial Development District, Huaihua, Hunan, China
Note: When more than one factory, please report on page 2	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	Input: 100-240Vac, 50/60Hz, 2-0.8A, Output: See test report for details.
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	LOF120-20B12-C-100, LOF120-20B15-100, LOF120-20B24-C-100, LOF120-20B27-100, LOF120-20B27-C-100 <input checked="" type="checkbox"/> Additional Information on page 2
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to: EN 62368-1:2014, EN 62368-1:2014/A11:2017 The report was revised to include technical modifications. National Differences: EU Group Differences, CA, US <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	ENS2306290120S00101R issued on 2023-08-14

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2023-08-15
Original Issue Date: 2020-10-21

Signature: Thomas Wilson



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Factory(ies):

Shenzhen HHY Electronic Technology Co.,Ltd
5F, Building B20, Hengfeng Industrial Park, Xixiang town, Bao'an district, Shenzhen,
China

Additional Model Detail(s):

LOF120-20B12-100, LOF120-20B12-C-100, LOF120-20B15-100, LOF120-20B15-C-100, LOF120-20B24-100, LOF120-20B24-C-100, LOF120-20B27-100, LOF120-20B27-C-100, LOF120-20B36-100, LOF120-20B36-C-100, LOF120-20B48-100, LOF120-20B48-C-100, LOF120-20B54-100, LOF120-20B54-C-100, LOF120-20Bxx, LOF120-20Bxx-C, LOF120-20Bxx-zzz, LOF120-20Bxx-C-zzz, LOF120-20Byyy, LOF120-20Byyy-C, LOF120-20Byyy-zzz, LOF120-20Byyy-C-zzz, LOF120-20B12-NW

xx can be 12, 15, 24, 27, 36, 48, 54.

2 digits number, means output voltage 12Vdc, 15Vdc, 24Vdc, 27Vdc, 36Vdc, 48Vdc, 54Vdc.

yyy can be 120-540.

3 digits number, indicate output voltage from 12.0Vdc to 48.0Vdc in step of 0.1V, eg: 120=12.0Vdc, 480=48.0Vdc. 540=54.0Vdc

zzz can be A-Z.

1-3 letters, indicate different sales purposes.

Summary of Modifications:

- Add new models;
- Add the two new Transformer type for models with output voltages of 35.3-37.8Vdc and 51.3-54.0Vdc;
- Update Definition of variables;
- Update the Table B: Components Difference;
- Update table 4.1.2;
- Added Additional Temperature Derating Curve only for models with output voltages of 51.3-54.0Vdc.

Additional information (if necessary)



- UL Solutions (US), 333 Pflugsten Rd IL 60062, Northbrook, USA
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