



Ref. Certif. No.

**DK-135011-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.  
16, Jianshe Avenue, High-tech Industrial Development  
District, Huaihua, Hunan, China.

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

Input: 100-277Vac, 50-60Hz, 0.5A  
 Additional Information on page 2

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

LD20-23BxxR2\*, LD20-23BxxWR2, LD15-23BxxR2-M  
 Additional Information on page 2

Additional information (if necessary may also be reported on page 2)

**Additionally evaluated to:**  
EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020  
National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2018

As shown in the Test Report Ref. No. which forms part of this Certificate

E235235-4790604174-1 Original issued on 2022-11-22

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Denko), 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](http://www.ul.com/ncbnames)

Date: 2022-11-24

Signature:

Jan-Erik Storgaard



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**Additional Model Detail(s):**

LD20-23BxxR2\*, LD20-23BxxWR2, LD15-23BxxR2-M (Variable \* can be blank, A2S or A4S. If \* is blank, it means standard module. If \* is A2S, it means chassis mounting. If \* is A4S, it means DIN-Rail mounting. Variable xx can be 03, 05, 09, 12, 15 and 24, indicate output voltage, eg: 03=3.3Vdc, 24=24.0Vdc.)

**Additional Ratings:**

Output: See test report for detail

**Additional information (if necessary)**



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Jan-Erik Storgaard