

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 LTD  
5 Kehui St 1 Kehui Development Center Science Ave, Guangzhou  
Science City Luogang District Guangzhou Guangdong 510000  
China.

Name and address of the manufacturer

MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY LTD  
5 Kehui St 1 Kehui Development Center Science Ave, Guangzhou  
Science City Luogang District Guangzhou Guangdong 510000  
China

Name and address of the factory

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

Mornsun Guangzhou Science & Technology Ltd.  
No.8 Nanyun Road 4, Guangzhou Science Park, Guangzhou  
510663,  
China Additional Information on page 2

Ratings and principal characteristics

For LDE20 series:  
Input: 100-240Vac, 50-60Hz, 0.44A;  
For LDE15 series:  
Input: 100-240Vac, 50-60Hz, 0.32A;  
Output: See Page 2

Trademark (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

LDE20-20B03\*, See Page 2

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

 Additional Information on page 2

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

IEC 62368-1(ed.2)

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

ES180323016S issued on 2018-06-22

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (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: 2018-06-25

Signature:

Jan-Erik Storgaard

**Model Details:**

LDE20-20B03\*, LDE20-20B05\*, LDE20-20B09\*, LDE20-20B12\*, LDE20-20B15\*, LDE20-20B24\*,  
 LDE15-20B03\*, LDE15-20B05\*, LDE15-20B09\*, LDE15-20B12\*, LDE15-20B15\*, LDE15-20B24\*

(Variable \* can be blank, A2S and A4S. If \* is blank, it means standard module. If \* is A2S, it means chassis mounting.  
 If \* is A4S, it means DIN-Rail mounting.)

**Output Rating:**

Models	Output voltage (Vdc)	Output current (A)	Output power (W)	Transformer type	Inductor
LDE20-20B03*	3.3	3.6	11.88	51500319(1.0)	L101 N1=N2: 0.2mmx90TS
LDE20-20B05*	5	3.6	18		
LDE20-20B09*	9	2.2	20	51500333(1.0)	
LDE20-20B12*	12	1.66	20	51500321(1.0)	
LDE20-20B15*	15	1.33	20	51500322(1.0)	
LDE20-20B24*	24	0.833	20	51500323(1.0)	
LDE15-20B03*	3.3	2.7	8.9	51500319(1.0)	L1 0.14mmx210TS
LDE15-20B05*	5	2.7	13.5		
LDE15-20B09*	9	1.66	15	51500333(1.0)	
LDE15-20B12*	12	1.25	15	51500321(1.0)	
LDE15-20B15*	15	1.0	15	51500322(1.0)	
LDE15-20B24*	24	0.625	15	51500323(1.0)	

**Additional Information:**

Additionally evaluated to EN 62368-1:2014/A11:2017  
 National Difference specified in the CB Test Report

**Additional information (if necessary)**



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