

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

See Page 2-5

Trademark (if any)



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

Model / Type Ref.

LD03-10B12-FY, LD03-10BxxR2, LD03-20Bxx-C,  
LD05-20Bxx-C, LDE03-20Bxx\*, LDE03-20BxxW, See Page 2

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

Additionally evaluated to EN 62368-1:2014 /A11:2017; National  
Difference 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(ed.2)

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

ES180323004S issued on 2018-06-19

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: 2018-06-22

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-74121-UL**

**Model Details:**

LDE03-20Bxx\*, LDE05-20Bxx\*, LDE03-20BxxW, LDE05-20BxxW, LD03-10BxxR2, LD03-20Bxx-C, LD05-20Bxx-C, LD03-10B12-FY (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. Variable xx can be 03, 05, 09, 12, 15 and 24, indicate output voltage, eg: 03=3.3Vdc, 24=24.0Vdc.)

**Ratings:**

For models LDE03-20Bxx\*, LD03-10BxxR2, LD03-20Bxx-C, LDE03-20BxxW:

Input: 100-240Vac, 50-60Hz, 0.08A;

For models LDE05-20Bxx\*, LD05-20Bxx-C, LDE05-20BxxW:

Input: 100-240Vac, 50-60Hz, 0.13A;

For model LD03-10B12-FY:

Input: 100-240Vac, 50-60Hz, 0.09A;

**Output:**

Models	Output voltage (Vdc)	Output current (mA)	Max. output power (W)	Transformer type
LDE03-20B03	3.3V	700mA	2.31W	51500298(1.0)
LDE03-20B03A2S				
LDE03-20B03A4S				
LD03-20B03-C				
LD03-10B03R2				
LDE03-20B03W				
LDE03-20B05	5V	600mA	3W	
LDE03-20B05A2S				
LDE03-20B05A4S				
LD03-20B05-C				
LD03-10B05R2				
LDE03-20B05W				

**Additional information (if necessary)**



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## Ratings:

LDE03-20B09	9V	330mA	3W	51500299(1.0)
LDE03-20B09A2S				
LDE03-20B09A4S				
LD03-20B09-C				
LD03-10B09R2				
LDE03-20B09W				
LDE03-20B12	12V	250mA	3W	51500311(1.0)
LDE03-20B12A2S				
LDE03-20B12A4S				
LD03-20B12-C				
LD03-10B12R2				
LD03-10B12-FY				
LDE03-20B12W	15V	200mA	3W	51500311(1.0)
LDE03-20B15				
LDE03-20B15A2S				
LDE03-20B15A4S				
LD03-20B15-C				
LD03-10B15R2				
LDE03-20B15W	24V	125mA	3W	51500300(1.0)
LDE03-20B24				
LDE03-20B24A2S				
LDE03-20B24A4S				
LD03-20B24-C				
LD03-10B24R2				
LDE03-20B24W				

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Ratings:

LDE05-20B03	3.3V	1000mA	3.3W	51500298(1.0)
LDE05-20B03A2S				
LDE05-20B03A4S				
LD05-20B03-C				
LDE05-20B03W				
LDE05-20B05	5V	1000mA	5.04W	
LDE05-20B05A2S				
LDE05-20B05A4S				
LD05-20B05-C				
LDE05-20B05W				
LDE05-20B09	9V	560mA	5.04W	51500299(1.0)
LDE05-20B09A2S				
LDE05-20B09A4S				
LD05-20B09-C				
LDE05-20B09W				
LDE05-20B12	12V	420mA	5.04W	51500311(1.0)
LDE05-20B12A2S				
LDE05-20B12A4S				
LD05-20B12-C				
LDE05-20B12W				
LDE05-20B15	15V	330mA	5.04W	
LDE05-20B15A2S				
LDE05-20B15A4S				
LD05-20B15-C				
LDE05-20B15W				

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**DK-74121-UL**

Ratings:

LDE05-20B24	24V	210mA	5.04W	51500300(1.0)
LDE05-20B24A2S				
LDE05-20B24A4S				
LD05-20B24-C				
LDE05-20B24W				

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