

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

CB TEST CERTIFICATE

Product

DC-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

 Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)

MORNSUN

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

Model / Type Ref.

A1203S-1WR3*, A1203S-2WR3*, A1205S-1WR3*,
A1205S-2WR3*, A1212S-1WR3*, A1212S-2WR3*,
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 62368-1:2018

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

ES201112070S issued on 2020-11-25

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

Date: 2020-11-30

Signature:

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

Jan-Erik Storgaard



Model Details:

A1203S-1WR3*, A1203S-2WR3*, A1205S-1WR3*, A1205S-2WR3*, A1212S-1WR3*, A1212S-2WR3*, A1215S-1WR3*, A1215S-2WR3*, A1224S-1WR3*, A1505S-1WR3*, A1512S-1WR3*, A1515S-1WR3*, A2405S-1WR3*, A2405S-2WR3*, A2412S-1WR3*, A2412S-2WR3*, A2415S-1WR3*, A2415S-2WR3*, A2424S-1WR3*, E1203S-1WR3*, E1203S-2WR3*, E1205S-1WR3*, E1205S-2WR3*, E1212S-1WR3*, E1212S-2WR3*

"*" means blank or "-TR" or "-xy", among them:

the "-TR" model represents that the product is packaged as a tap package;

the "-xy" model represents a customer model,

"x" means any letter from A to Z, and "y" means any number from 0 to 9.

These suffixes represent variations or selections that are not related to safety.

Ratings:

For model A1203S-1WR3*, A1205S-1WR3*, A1212S-1WR3*, A1215S-1WR3*, A1224S-1WR3*, E1203S-1WR3*, E1205S-1WR3*, E1212S-1WR3*, E1215S-1WR3*, E1224S-1WR3*:
(optional)

Input: 12Vdc, 0.12A

Output: See test report for details.

For model A1203S-2WR3*, A1205S-2WR3*, A1212S-2WR3*, A1215S-2WR3*, E1203S-2WR3*, E1205S-2WR3*, E1212S-2WR3*, E1215S-2WR3*:
(optional)

Input: 12Vdc, 0.24A

Output: See test report for details.

For model A1505S-1WR3*, A1512S-1WR3*, A1515S-1WR3*, E1505S-1WR3*, E1512S-1WR3*, E1515S-1WR3*:
(optional)

Input: 15Vdc, 0.09A

Output: See test report for details.

For model A2405S-1WR3*, A2412S-1WR3*, A2415S-1WR3*, A2424S-1WR3*, E2405S-1WR3*, E2412S-1WR3*, E2415S-1WR3*, E2424S-1WR3*:
(optional)

Input: 24Vdc, 0.06A

Output: See test report for details.

For model A2405S-2WR3*, A2412S-2WR3*, A2415S-2WR3*, E2405S-2WR3*, E2412S-2WR3*, E2415S-2WR3*:
(optional)

Input: 24Vdc, 0.12A

Output: See test report for details.

Additional Information:

Additionally evaluated to EN IEC 62368-1:2020/ A11:2020.

National Difference specified in the CB Test Report.

Additional information (if necessary)



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