

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

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

B1203LS-1WR3*, B1205LS-1WR3*, B1205S-2WR3*,
B1209LS-1WR3*, B1212LS-1WR3*, B1212S-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

ES201112060S issued on 2020-11-26

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

Date: 2020-11-30

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-106447-UL

Model Details:

F1203S-1WR3*, B1203LS-1WR3*, F1205S-1WR3*, B1205LS-1WR3*, F1209S-1WR3*, B1209LS-1WR3*, F1212S-1WR3*, B1212LS-1WR3*, F1215S-1WR3*, B1215LS-1WR3*, F1224S-1WR3*, B1224LS-1WR3*, B1205S-2WR3*, B1212S-2WR3*, B1215S-2WR3*, B1224S-2WR3*, F1205S-2WR3*, F1212S-2WR3*, F1215S-2WR3*, F1224S-2WR3*, F1505S-1WR3*, B1505LS-1WR3*, F1509S-1WR3*, B1509LS-1WR3*, F1512S-1WR3*, B1512LS-1WR3*, F1515S-1WR3*, B1515LS-1WR3*, F2403S-1WR3*, B2403LS-1WR3*, F2405S-1WR3*, B2405LS-1WR3*, F2409S-1WR3*, B2409LS-1WR3*, F2412S-1WR3*, B2412LS-1WR3*, F2415S-1WR3*, B2415LS-1WR3*, F2424S-1WR3*, B2424LS-1WR3*, B2405S-2WR3*, B2412S-2WR3*, B2415S-2WR3*, B2424S-2WR3*, F2405S-2WR3*, F2412S-2WR3*, F2415S-2WR3*, F2424S-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 security.

Factories:

Mornsun (HuaiHua) Science & Technology Co., Ltd

No.16, Jianshe Avenue, High-tech Industrial Development District, Huaihua, Hunan
China

Ratings:

For models F1203S-1WR3*, B1203LS-1WR3*, F1205S-1WR3*, B1205LS-1WR3*, F1209S-1WR3*, B1209LS-1WR3*, F1212S-1WR3*, B1212LS-1WR3*, F1215S-1WR3*, B1215LS-1WR3*, F1224S-1WR3*, B1224LS-1WR3*, B1205S-2WR3*, B1212S-2WR3*, B1215S-2WR3*, B1224S-2WR3*, F1205S-2WR3*, F1212S-2WR3*, F1215S-2WR3*, F1224S-2WR3*:

Input: 12Vdc, 0.24A

Output: See test report for details.

For models F1505S-1WR3*, B1505LS-1WR3*, F1509S-1WR3*, B1509LS-1WR3*, F1512S-1WR3*, B1512LS-1WR3*, F1515S-1WR3*, B1515LS-1WR3*:

Input: 15Vdc, 0.18A

Output: See test report for details.

For models F2403S-1WR3*, B2403LS-1WR3*, F2405S-1WR3*, B2405LS-1WR3*, F2409S-1WR3*, B2409LS-1WR3*, F2412S-1WR3*, B2412LS-1WR3*, F2415S-1WR3*, B2415LS-1WR3*, F2424S-1WR3*, B2424LS-1WR3*, B2405S-2WR3*, B2412S-2WR3*, B2415S-2WR3*, B2424S-2WR3*, F2405S-2WR3*, F2412S-2WR3*, F2415S-2WR3*, F2424S-2WR3*:

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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