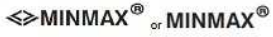


IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

CB TEST CERTIFICATE

Product	DC to DC Converter
Name and address of the applicant	MINMAX TECHNOLOGY CO LTD 18 SIN-SIN RD, AN-PING INDUSTRIAL DISTRICT, TAINAN CITY 702, TAIWAN
Name and address of the manufacturer	MINMAX TECHNOLOGY CO LTD 18 SIN-SIN RD, AN-PING INDUSTRIAL DISTRICT, TAINAN CITY 702, TAIWAN
Name and address of the factory <i>Note: When more than one factory, please report on page 2</i>	MINMAX TECHNOLOGY CO LTD 18 SIN-SIN RD, AN-PING INDUSTRIAL DISTRICT, TAINAN CITY 702, TAIWAN <input type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	Input Voltage Range: 9 - 36 Vdc is for model MDWI10-24S033. See test report for details.
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	MDW10-xDz, MDW10-xSz, MDWI10-xyz See Page 2
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	190601103 issued on 2019-06-27

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: 2019-07-02

Original Issue Date: 2018-04-09

Signature:

Jan-Erik Storgaard

Model Details:

MDWI10-xyz (x can be 24 or 48; y can be S or D; z can be 033, 05, 051, 12, 15 or 24)

MDW10-xDz (x can be 12, 24, 48; z can be 12 or 15)

MDW10-xSz (x can be 12, 24, 48; z can be 033, 05, 051, 12, 15 or 24)

Additional Information:

Additionally evaluated to EN 62368-1:2014/A11:2017.

National Difference specified in the CB Test Report

The original report was modified to include the following changes/additions:

1. Add new models.
2. Add input ratings.
3. Modify rated input voltage.
4. Add evaluation of National Differences for Japan, Australia and New Zealand.

Additional information (if necessary)



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: 2019-07-02

Original Issue Date: 2018-04-09

Signature:



Jan-Erik Storgaard