Ref. Certif. No.

DK-76844-M1-UL

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 Note: *When more than one factory, please report on page 2*	MINMAX TECHNOLOGY CO LTD 18 SIN-SIN RD, AN-PING INDUSTRIAL DISTRICT, TAINAN CITY, 702 TAIWAN ☐ Additional Information on page 2
Ratings and principal characteristics	I/P: 9 - 36 Vdc or 24 Vdc; 18 - 75 Vdc or 48 Vdc O/P: See test report for details
Trademark (if any)	<>MINMAX® or MINMAX®
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	MJWI06-xyzC, MJWI06-xyzC-GC, MJWI06-xyzC-DIN04, MJWI06-xyzC-DIN04-GC, MKWI10-xyzC and MKWI10-xyzC-GC, MKWI10-xyzC-DIN05, MKWI10-xyzC-DIN05-GC, See Page 2
Additional information (if necessary may also be reported on page 2)	Technical modification ☒ 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	181003803 issued on 2018-11-13

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: 2018-11-15
Original Issue Date: 2018-09-26

Signature:

Jan-Erik Storgaard

Ref. Certif. No.

DK-76844-M1-UL

Model Details:
MJWI06-xyzC, MJWI06-xyzC-GC, MJWI06-xyzC-DIN04, MJWI06-xyzC-DIN04-GC, MKWI10-xyzC and MKWI10-xyzC-GC, MKWI10-xyzC-DIN05, MKWI10-xyzC-DIN05-GC
(x can be 24 or 48; y can be S or D; z can be 05, 051, 12, 15, 24 or 48)

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:
- Add four models.
- Change the maximum ambient temperature (Tma) from 70°C to 80°C for all models, 87 to 92.5°C for models MJWI06-48D12C and MKWI10-48D12C with condition of 50% rated load of output under 48 Vdc input.
- Change the temperature rating of Inductor (L1) from 105°C to 125°C in table 5.4.1.4, 6.3.2, 9.0, B.2.6, and add supplementary information in table 4.1.2 and attachment.
- Add supplementary information for Inductor (T2) in Table 4.1.2 and attachment.

Additional information (if necessary)

☐ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☒ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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