

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	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	MINMAX TECHNOLOGY CO. LTD. 18 SIN-SIN RD AN-PING INDUSTRIAL DISTRICT TAINAN CITY 702 TAIWAN <input type="checkbox"/> Additional Information on page 2
<i>Note: When more than one factory, please report on page 2</i>	
Ratings and principal characteristics	(Optional) 12 or 9-18 Vdc for model MKE15-12S05HI see test report for details.
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	MKE15-x1Dy2HI, MKE15-x1Sy1HI, MKE20-x1Dy2HI, MKE20-x1Sy1HI See Page 2
Additional information (if necessary may also be reported on page 2)	Technical Modification <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	1811001-1-CB-M1 issued on 2018-12-20

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: 2018-12-25

Original Issue Date: 2017-08-17

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-66036-M1-UL

Model Details:

MKE15-x1Dy2HI, MKE15-x1Sy1HI, MKE20-x1Dy2HI, MKE20-x1Sy1HI

Where x1 = 12, 24 or 48 representing input voltage range, y1 = 05, 051, 12, 15 or 24 representing Single output voltage, y2 = 12 or 15 representing Dual output voltage.

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. Changed maximum operating ambient
2. Transformer (T1) upgrade to Class B and added alternate Insulation System.
3. Added alternate Case of Transformer (T1).
4. Replaced National Differences of IEC 62368-1, due to use new form and added Australia, New Zealand and Japan National Differences.
5. Corrected: TABLE: Temperature Measurements marked by bold type.

Additional information (if necessary)



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