

# CERTIFICATE OF CONFORMITY



**BUREAU  
VERITAS**

**Product** : DC to DC Converter  
**Brand** : MINMAX  
**Test Model** : MRA60-110S051C, MRA60-110S48C, MRA60-110D12C,  
MRA60-110D24C  
**Series Model** : MRA60-110S05C, MRA60-110S12C, MRA60-110S15C,  
MRA60-110S24C, MRA60-110D15C  
**Applicant** : MINMAX TECHNOLOGY CO., LTD  
**Report No.** : CE190513C02A R1



We, **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards, in accordance with the Directive 2014/30/EU. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

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**EN 55032:2015 +AC:2016, Class A**  
**EN 61000-3-2:2014 (Not applicable)**  
**EN 61000-3-3:2013 (Not applicable)**  
**EN 55035:2017**

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EN 61000-4-2:2009 / IEC 61000-4-2:2008 ED. 2.0  
EN 61000-4-3:2006 +A1:2008 +A2:2010 / IEC 61000-4-3:2010 ED. 3.2  
EN 61000-4-4:2012 / IEC 61000-4-4:2012 ED. 3.0  
EN 61000-4-5:2014 +A1:2017 / IEC 61000-4-5:2014 +A1:2017 ED. 3.0  
EN 61000-4-6:2014 +AC:2015 / IEC 61000-4-6:2013 ED. 4.0  
EN 61000-4-8:2010 / IEC 61000-4-8:2009 ED. 2.0  
EN 61000-4-11:2004 +A1:2017 / IEC 61000-4-11:2004 +A1:2017 ED. 2.0 (Not applicable)  
Broadband impulse noise disturbances (Not applicable)

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**EN 55024:2010 / EN 55024:2010 +A1:2015**

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EN 61000-4-2:2009 / IEC 61000-4-2:2008 ED. 2.0  
EN 61000-4-3:2006 +A1:2008 +A2:2010 / IEC 61000-4-3:2010 ED. 3.2  
EN 61000-4-4:2012 / IEC 61000-4-4:2012 ED. 3.0  
EN 61000-4-5:2014 +A1:2017 / IEC 61000-4-5:2014 +A1:2017 ED. 3.0  
EN 61000-4-6:2014 +AC:2015 / IEC 61000-4-6:2013 ED. 4.0  
EN 61000-4-8:2010 / IEC 61000-4-8:2009 ED. 2.0  
EN 61000-4-11:2004 +A1:2017 / IEC 61000-4-11:2004 +A1:2017 ED. 2.0 (Not applicable)

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**NOTE:** The above EN/IEC basic standards are applied with latest version if customer has no special requirement.

Kenny Meng / Assistant Manager  
Oct. 30, 2019



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Cancels and replaces the Certificate No.: CE190513C02AC dated Sep. 24, 2019