



Certificate of Compliance

Certificate: 1827682

Master Contract: 231746

Project: 2735610

Date Issued: June 20, 2014

Issued to: **MINMAX Technology Co., Ltd.**
18 Sin-Sin Road
An-Ping Industrial District
TAIWAN
Attention: **Mr. Lester Fang**

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: 
Hades Lee

PRODUCTS

CLASS 5311 11 - POWER SUPPLIES - Component Type (For Canadian Certification)

CLASS 5311 91 - POWER SUPPLIES - Component Type (For US Certification)

- DC to DC Converters*, PCB Mount, Models:

MSDW1000, MSDW1000-W, DSIW1000 Series

- MSDW101x, **MSDW101x-W**, DSDW101x: Input: 4,5 – 9,0Vdc / 600mA, Output: See 'x' values below.
- MSDW102x, **MSDW102x-W**, DSDW102x: Input: 9 – 18Vdc / 220mA, Output: See 'x' values below.
- MSDW103x, **MSDW103x-W**, DSDW103x: Input: 18 – 36Vdc / 110mA, Output: See 'x' values below.
- MSDW104x, **MSDW104x-W**, DSDW104x: Input: 36 – 75Vdc / 55mA, Output: See 'x' values below.

MSIW1000, DSIW1000 Series

- MSIW102x, DSIW102x: Input: 9 – 18Vdc / 300mA, Output: See 'x' values below.
- MSIW103x, DSIW103x: Input: 18 – 36Vdc / 150mA, Output: See 'x' values below.
- MSIW104x, DSIW104x: Input: 36 – 75Vdc / 75mA, Output: See 'x' values below.



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Series	x value	Output rating
<u>MSDW1000, MSDW1000-W, DSDW1000 Series</u>	1	3,3Vdc / 500mA
	2	5Vdc / 400mA
	3	12Vdc / 165mA
	4	15Vdc / 135mA
	5	+5Vdc / +200mA
	6	+12Vdc / +85mA
	7	+15Vdc / +65mA
<u>MSIW1000, DSIW1000</u>	1	3,3Vdc / 700mA
	2	5Vdc / 600mA
	3	12Vdc / 250mA
	6	+12Vdc / +125mA
	7	15Vdc / +100mA

Notes:

- Units were evaluated as components where the suitability of the combination with the host equipment shall be re-evaluated.
- The equipment has been evaluated for use in a Pollution Degree1 or 2 and overvoltage category II environment.
- A suitable Electrical and Fire enclosure shall be provided.
- The product is specified for maximum ambient of 71 °C

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No 60950-1-07 - Information Technology Equipment - Safety - Part 1: General
 Incl. AM1 (2011) Requirements
- ANSI/UL Std No 60950-1, 2nd - Information Technology Equipment - Safety - Part 1: General
 Ed. Incl. AM1 (2011) Requirements



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2735610	June 20, 2014	Cover to upgrade standard to CAN/CSA-C22.2 No 60950-1-07, 2nd Ed. Incl. AM1 (2011) / ANSI/UL Std No 60950-1, 2nd Ed. Incl. AM1 (2011) and alternate series models
2480034	December 6, 2011	Revises the electrical rating of inductor and Standard edition upgrade
2251263	November 5, 2010	Covers the report correction to specify the inductor use on particular models.
2164654	April 28, 2009	Covers the alternative model designation
1827682	October 24, 2006	Original Certification.