



# Certificate of Compliance

Certificate: 2518506

Master Contract: 231746

Project: 2518506

Date Issued: June 4, 2012

Issued to: MINMAX Technology Co., Ltd.

18 Sin-Sin Road  
An-Ping Industrial District  
Tainan, 702  
Taiwan  
Attention: Lester Fang

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C', 'US' and*



*Patric Charbonneau*

Issued by: Patric Charbonneau, T.P.

## PRODUCTS

**CLASS 5311 91** - POWER SUPPLIES - Component Type(UL 60950-1-2nd Ed)Certified to U.S.Stds

**CLASS 5311 11** - POWER SUPPLIES - Component Type(CSA 60950-1-07-2nd Ed)

Component type DC/DC Converter\*, Models and Ratings as follow:

Model	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
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### **MxDWI03 Series(1)**

INPUT: Nominal: 24Vdc - Range: 9-36Vdc - Recommended input fuse: 1500mA

MxDWI03-24S033	110	3,3	600
MxDWI03-24S05	160	5,0	600
MxDWI03-24S12	160	12	250
MxDWI03-24S15	160	15	200
MxDWI03-24S24	160	24	125



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MxDWI03-24D05	160	±5	±300
MxDWI03-24D12	160	±12	±125
MxDWI03-24D15	160	±15	±100

INPUT: Nominal: 48Vdc - Range: 18-75Vdc - Recommended input fuse: 800mA

MxDWI03-48S033	55	3,3	600
MxDWI03-48S05	80	5,0	600
MxDWI03-48S12	80	12	250
MxDWI03-48S15	80	15	200
MxDWI03-48S24	80	24	125
MxDWI03-48D05	80	±5	±300
MxDWI03-48D12	80	±12	±125
MxDWI03-48D15	80	±15	±100

**MxGWI06 Series(1)**

INPUT: Nominal: 24Vdc - Range: 9-36Vdc - Recommended input fuse: 1500mA

MxGWI06-24S033	260	3,3	1450
MxGWI06-24S05	300	5,0	1200
MxGWI06-24S12	300	12	500
MxGWI06-24S15	300	15	400
MxGWI06-24S24	300	24	250
MxGWI06-24D05	300	±5	±600
MxGWI06-24D12	300	±12	±250
MxGWI06-24D15	300	±15	±200

INPUT: Nominal: 48Vdc - Range: 18-75Vdc - Recommended input fuse: 750mA

MxGWI06-48S033	130	3,3	1450
MxGWI06-48S05	150	5,0	1200
MxGWI06-48S12	150	12	500
MxGWI06-48S15	150	15	400
MxGWI06-48S24	150	24	250
MxGWI06-48D05	150	±5	±600
MxGWI06-48D12	150	±12	±250
MxGWI06-48D15	150	±15	±200

**MJWI10(2) Series**

INPUT: Nominal: 24Vdc - Range: 9-36Vdc - Recommended input fuse: 2000mA

MJWI10-24S033	400	3,3	2200
MJWI10-24S05	500	5,0	2000



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MJWI10-24S051	500	5,1	2000
MJWI10-24S12	500	12	830
MJWI10-24S15	500	15	660
MJWI10-24S24	500	24	410
MJWI10-24D05	500	±5	±1000
MJWI10-24D12	500	±12	±410
MJWI10-24D15	500	±15	±330

INPUT: Nominal: 48Vdc - Range: 18-75Vdc - Recommended input fuse: 1000mA

MJWI10-48S033	200	3,3	2200
MJWI10-48S05	250	5,0	2000
MJWI10-48S051	250	5,1	2000
MJWI10-48S12	250	12	830
MJWI10-48S15	250	15	660
MJWI10-48S24	250	24	410
MJWI10-48D05	250	±5	±1000
MJWI10-48D12	250	±12	±410
MJWI10-48D15	250	±15	±330

**MJWI20(2) Series**

INPUT: Nominal: 24Vdc - Range: 9-36Vdc - Recommended input fuse: 5000mA

MJWI20-24S033	700	3,3	4500
MJWI20-24S05	940	5,0	4000
MJWI20-24S12	940	12	1670
MJWI20-24S15	940	15	1340
MJWI20-24S24	940	24	835
MJWI20-24D12	940	±12	±835
MJWI20-24D15	940	±15	±670

INPUT: Nominal: 48Vdc - Range: 18-75Vdc - Recommended input fuse: 2500mA

MJWI20-48S033	350	3,3	4500
MJWI20-48S05	470	5,0	4000
MJWI20-48S12	470	12	1670
MJWI20-48S15	470	15	1340
MJWI20-48S24	470	24	835
MJWI20-48D12	470	±12	±835
MJWI20-48D15	470	±15	±670

(1) Where 'x' is blank for DIP type or "S" for surface-mount components.



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(2) Model numbers in this series may be followed by “-HS” for components with a heatsink.

Notes:

- The subject products were evaluated as components where the suitability with the end product shall be re-evaluated.
- The manufacturer recommends the use of an external input fuse (slow-blow type) as listed for each model above.
- The subject products were evaluated to be suitable to have their input connected to SELV or TNV-2 circuits.
- Maximum case temperature of the converter not to exceed 105°C in end product (100°C for MJWI10 Series).

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No 60950-1-07 + Am1:2011 - Information Technology Equipment – Safety – Part 1: General requirements

UL 60950-1, Second Edition + Am1:2011 - Information Technology Equipment – Safety – Part 1: General requirements