



# Certificate of Compliance

**Certificate:** 1581408

**Master Contract:** 186843 (LR 109657)

**Project:** 70087920

**Date Issued:** 2016-07-28

**Issued to:** Mean Well Enterprises Co., Ltd.  
N0 28 Wu-Chuan 3rd Rd.  
Hsin Chuang, Taipei Hsien 248  
TAIWAN  
**Attention:** Mr. Johnny Huang

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only*



Neil Lin

**Issued by:**

*Neil Lin*

## PRODUCTS

Process Control Equipment

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

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

PART A: Models ESC-120-13.5 and ESP-120-13.5, input rated 100-120/200-240 V ac, 50/60 Hz, 3.0/1.5 A; output rated classification to level 3, rated 13.5 V dc, 8.0 A; 108 W.

PART B: Models ESC-120-27 and ESP-120-27, input rated 100-120/200-240 V ac, 50/60 Hz, 3.0/1.5 A; output rated classification to level 3, rated 27 V dc, 4.0 A; 108 W.

PART C: Models ESC-120-54 and ESP-120-54, input rated 100-120/200-240 V ac, 50/60 Hz, 3.0/1.5 A; output rated classification to level 3, rated 54 V dc, 2.0 A; 108 W.

PART D: Models ESC-240-13.5 and ESP-240-13.5, input rated 100-120/200-240 V ac, 50/60 Hz, 4.5/2.5 A; output rated classification to level 3, rated 13.5 V dc, 16 A; 216 W.



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**PART E:** Models ESC-240-27 and ESP-240-27, input rated 100-120/200-240 V ac, 50/60 Hz, 4.5/2.5 A; output rated classification to level 3, rated 27 V dc, 8 A, 216 W.

**PART F:** Models ESC-240-54, ESC-240-54CL and ESP-240-54, input rated 100-120/200-240 V ac, 50/60 Hz, 4.5/2.5 A; output rated classification to level 3, rated 54 V dc, 4 A, 216 W

**Note:** The subject modes, ESC series and ESP series, are similar to each other except that the ESC series are provided with relay circuit for charging function.

### **APPLICABLE REQUIREMENTS**

- |   |   |   |
|---|---|---|
| CAN/CSA-C22.2 No 1010.1-92  | - | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| UL 3101-1 -1993   | - | Electrical Equipment for Laboratory Use; Part 1: General Requirements   |
| IEC 1010-1  | - | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| EN 61010-1  | - | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| CAN/CSA-C22.2 No 60950-1-07<br>Incl. AM1 (2011)+AM2 (2014)        | - | Information Technology Equipment – Safety – Part 1: General Requirements  |
| ANSI/UL Std No 60950-1, 2nd<br>Ed. Incl. AM1 (2011)+AM2<br>(2014) | - | Information Technology Equipment – Safety – Part 1: General Requirements  |
| CSA T.I.L. No. CA-08 (Sep. 23,<br>1994)                           | - | Additional Requirements for Component Power Supplies for Use in Other Equipment (As a Guide)                            |



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70087920	July 28, 2016	Revise transformer spec, and alternate components
70067915	June 30, 2016	Upgrade Std. to CAN/CSA-C22.2 No 60950-1-07 Incl. AM1 (2011)+AM2 (2014), ANSI/UL Std No 60950-1, 2nd Ed. Incl. AM1 (2011)+AM2 (2014), add manufacturer name for T1.
2671221	November 19, 2013	Alternate components sources and re-evaluate standards to CAN/CSA-C22.2 No 60950-1-07, 2nd Ed. Incl. AM1(2011) and ANSI/UL Std No 60950-1, 2nd Ed. Incl. AM1(2011)
2368747	December 23, 2010	Update to include standard upgrade to CSA 60950-1-07/UL 60950-1, 2nd edition and Report Modification.
1952782	September 11, 2007	Include change class number from 2252 33/83 to 5311 07/87
1581408	September 17, 2004	Supersedes Report LR 109657-3 and re-evaluated to Standard 60950-1
LR 109657-3	September 9, 1997	Original Certification. (superseded by report 1581408)