MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com,tw
WEB: http://www.mse.com.tw

SPECIFICATION

MIT-51G-56
Ultra High PoE Injector

1. INPUT :

1.1 Input Voltage: AC 100V ~ 240V ±10%

1.2 Input Frequency : 47 ~ 63Hz

1.3 Input Current: 1.50A at 120Vac @F.L PF > 0.98
0.6A at 230Vac @F.L PF > 0.95

1.4 Inrush current: 25A Max at 120Vac & 50A Max at 230Vac

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	+56V
Max. load	2.0A
Power	112W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

TOTAL POWER :112 W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz. Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

3. EFFICIENCY : 88% min. at AC 120V Input @F.L
88% min. at AC 240V Input @F.L

4. PROTECTION

4.1 Short Circuit Protection
output Short GND Terminal will not damage the Power Supply will Auto-Recover when Load status going to normally.

4.2 Over Voltage Protection : 58V ~ 60V

4.3 Over Current Limits : 120% ~ 150% @100V ~ 240Vac

4.4 LED Indicate POWER – OK

MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com,tw
WEB: http://www.mse.com.tw

5. EMC : Meet FCC Class B EN55022 Class B

5.1 SAFETY STANDARD : Meet UL1950, CSA 22.2 &TUV EN60950

5.2 Hold up time :8mS min. at maximum load &120Vac Input.

6. GENERAL DESCRIPTION

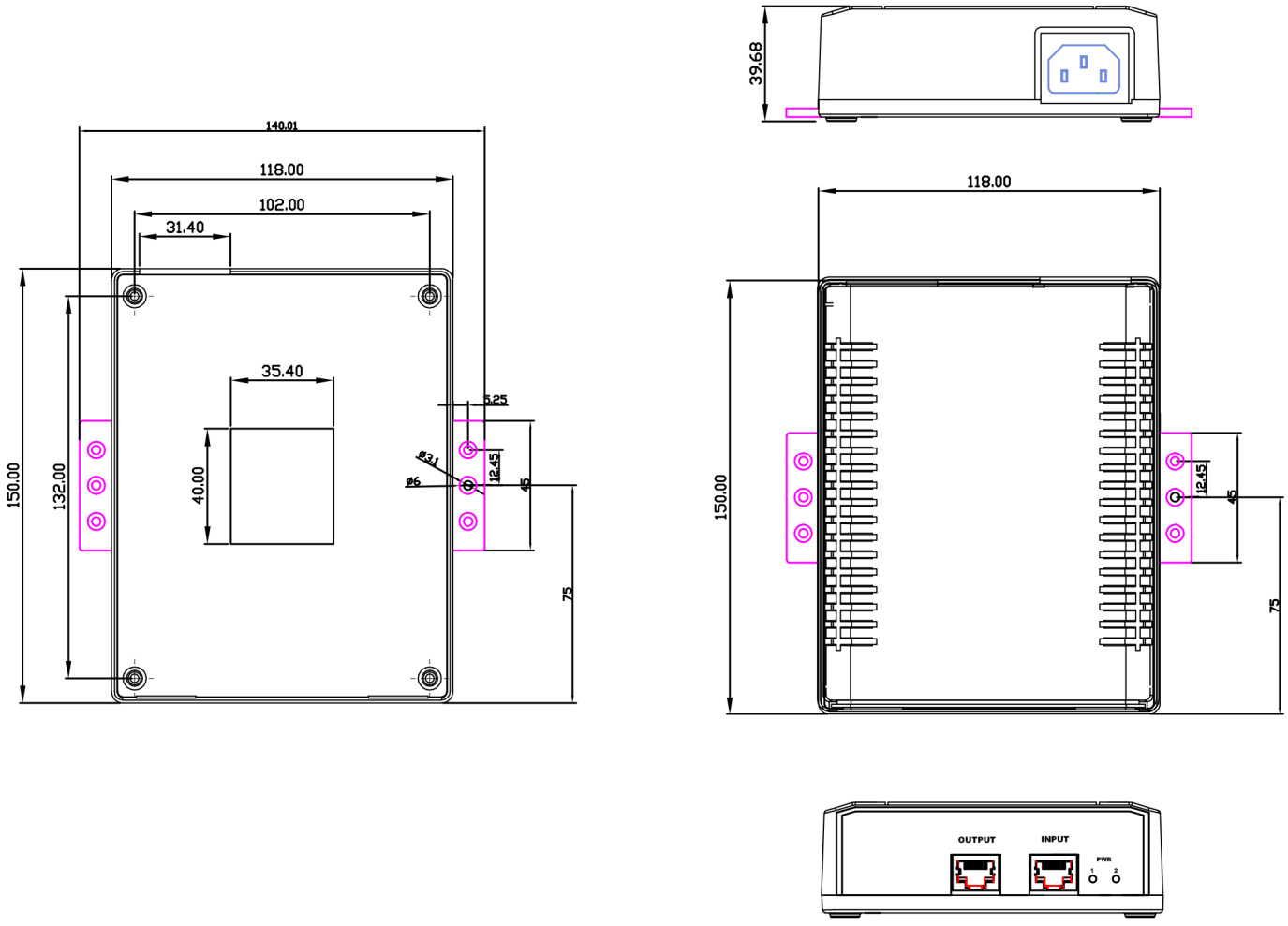
6.1 Operation Temperature: -40 - +50 Degree

6.2 Storage Temperature: -40 - +85 Degree

6.3 Operation Humidity: 5% - 90%

6.4 Cooling: Free air cooling

6.5 SIZE 118*150*40 (L*W*H)



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com,tw

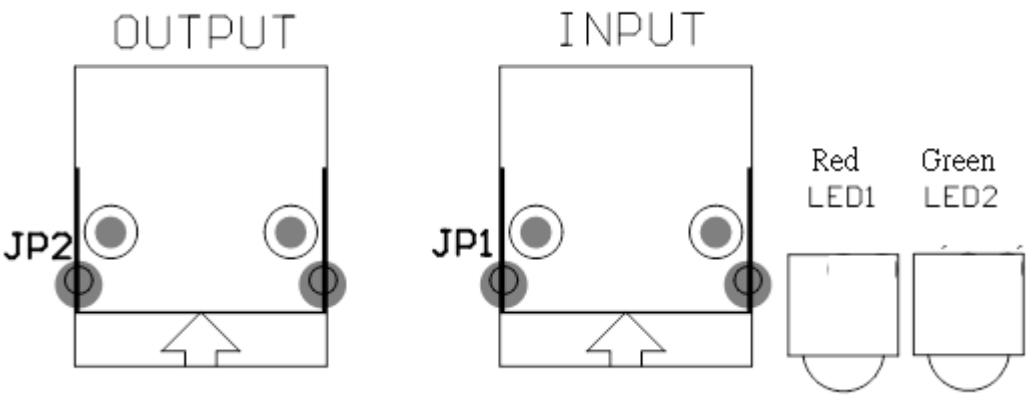
WEB: http://www.mse.com.tw

7. RJ45 Pin Assignment： @1000M

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	-Vdc + BI_DA+	power(-)+Data Pair A+
2	BI_DA-	Data Pair A-	-Vdc + BI_DA-	power(-)+Data pair A-
3	BI_DB+	Data Pair B+	+ Vdc + BI_DB+	power(+)+Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	+Vdc + BI_DB-	power(+)+Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-
9	SHLD	Shield enclosure	SHLD	Shield enclosure

8. INDICATOR :’

1. LED2(GREEN) Indicate POE Output is OK



MSTronic Co., Ltd.

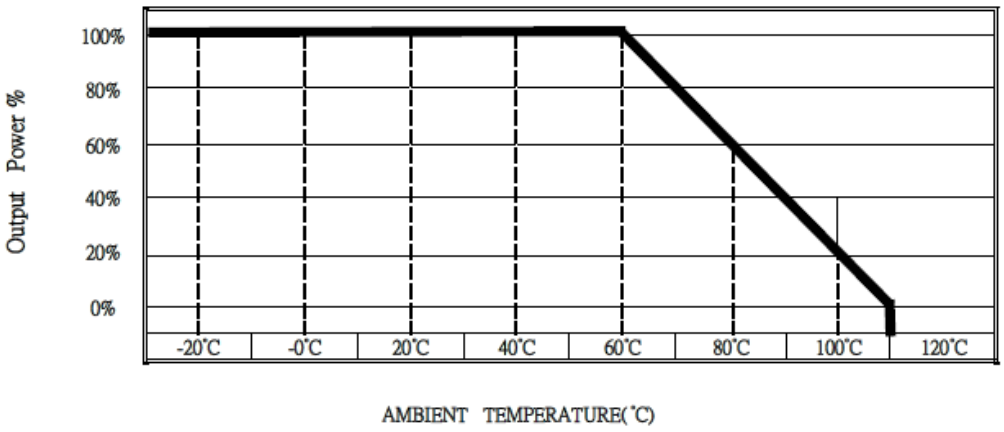
2F, 12, Gongshang Rd., Wugu District, New Taipei City 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com,tw

WEB: http://www.mse.com.tw

RATING TEMPERATURE LIMITS AND OUTPUT POWER RANGE



Model Name: MIT-51G-56 Date: 03 / 10/ 2016

Input Voltage : 100 ~ 240 Vac Output: 56V / 2 A

INPUT VOLTAGE / EFFICIENCY	AC 90	AC 120	AC 230	AC 264
25%	85.95%	85.75%	83.21%	82.48%
50%	89.55%	89.73%	89.14%	88.92%
75%	89.90%	90.31%	90.89%	90.76%
100%	88.78%	90.24%	91.72%	91.69%
Average	88.55%	89.01%	88.74%	88.46%

LEVEL VI PERFORMANCE THRESHOLDS

The Level VI standard tightens performance thresholds for adapters in active mode and no-load conditions. Along with tightened regulations for adapters governed under previous regulations, the new standard expands the range of products that fall under the standard. Regulated products will now include:

- *Multiple-voltage external power supplies*
- *Products with power levels >250 watts*

The latest performance thresholds are summarized in the tables below:

SINGLE-VOLTAGE EXTERNAL AC-DC POWER SUPPLY[1], BASIC-VOLTAGE		
Nameplate Output Power *(P_{out})*	**Minimum Average Efficiency in Active Mode** *(expressed as a decimal)*	**Maximum Power in No-Load Mode** *(W)*
$P_{out} \leq 1$ W	$0.5 \times P_{out} + 0.16$	0.100
1 W < P_{out} ≤ 49 W	$0.071 \times \ln(P_{out}) - 0.0014 \times P_{out} + 0.67$	0.100
49 W < P_{out} ≤ 250 W	0.880	0.210
P_{out} > 250 W	0.875	0.500