



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-85G-56PNN

Ultra High PoE Injector

1. INPUT :

- 1.1 Input Voltage: AC 100V ~ 240V $\pm 10\%$
- 1.2 Input Frequency : 50 ~ 60Hz
- 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	2A
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 : 90% min. at AC 120V Input @F.L
90% 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
- 5. EMC : Meet FCC Class A EN55032 Class A



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5.1 SAFETY STANDARD : Meet EN62368-1

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

6. GENERAL DESCRIPTION

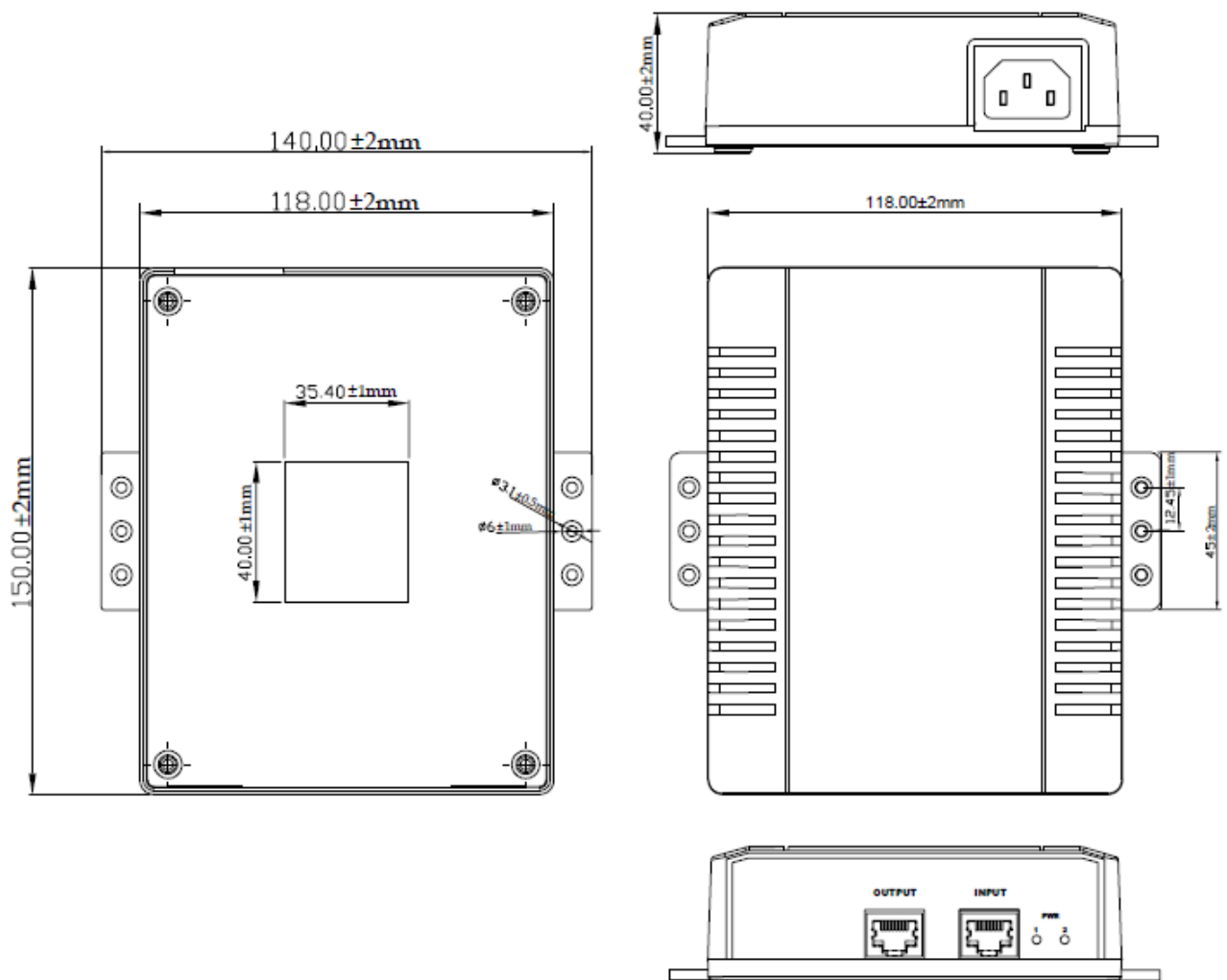
6.1 Operation Temperature: -40 - +70 Degree

6.2 Storage Temperature: -40 - +85 Degree

6.3 Operation Humidity: 5% - 90%

6.4 Cooling: Free air cooling

6.5 SIZE 150*140*40 (L*W*H) (including bracket)





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7. RJ45 Pin Assignment : 5000M

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-

Note: 1. The data rate is 5Gbps@2A/60C@CAT6A

2. The data rate will drop to 2.5G once the temperature drop to -40C.

8. INDICATOR :'

LED1,2 (GREEN) Indicate POE Output

