



MSTronic Co., Ltd.

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SPECIFICATION

MIT-89G-4856D-BT

90W DC/DC 5G PoE Injector

1. INPUT :

- 1.1 Input Voltage: 40Vdc to 72Vdc Normal = 56V
- 1.2 Input Current: 2.6A at 40Vdc @ Full Load
1.9 A at 56Vdc @ Full Load
1.5 A at 72Vdc @ Full Load

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	56V
Max. load	1.61A
Power	90W
Min. Load	0.01A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER :90W(802.3bt Class 8)

Note 1: Noise bandwidth is from DC to 20Mhz. Ripple & Noise is measured by Paralleling a 0.1uF metalize capacitor on the test point.

3. EFFICIENCY : 80% min at Full Load , 40Vdc ~ 72Vdc Input Voltage

4. PROTECTION

4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

4.2 Input with Fuse Protection.

4.3 Safety Standard : meet UL1950, CSA 22.2 &TUV EN60950-1.

4.4 EMC : meet FCC Class A , EN55032 Class A

4.5 Over Current : 802.3BT Class 8(96.6W)@All DC Input F.L

4.6 Input Reverse Protection-----NO Work



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4.7 INPUT LOW Voltage Protection Point : $33.2V \pm 0.3V$

4.8 OUTPUT Over Voltage Protection Point : $59V \pm 0.5V$

5. GENERAL DESCRIPTION

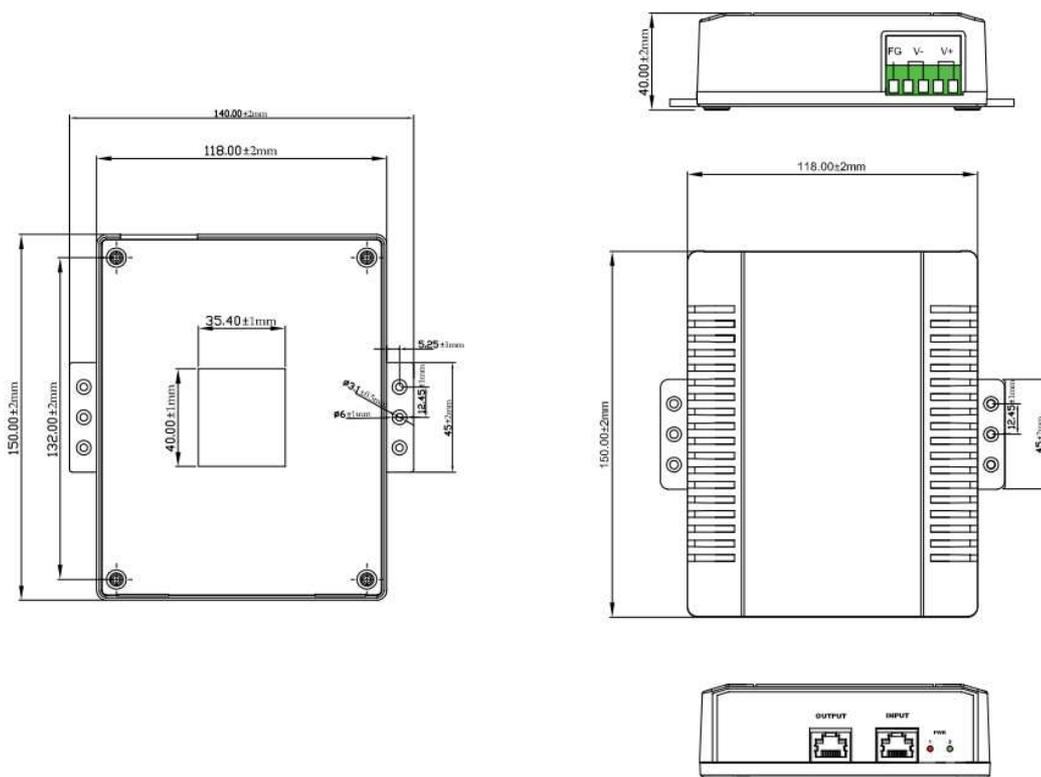
5.1 Operation Temperature: -40 - +70 Degree

5.2 Storage Temperature: -40 - +85 Degree

5.3 Operation Humidity: 5% - 90%

5.4 Cooling: Free air cooling

5.5 SIZE : 140*150*40 (L*W*H)m/m



6. Indication :

6.1 LED1(RED) Indicate POE Output no valid detection.

6.2 LED2(GREEN) Indicate POE Output 802.3af/at/bt PD detected



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7. CHANNEL CONNECTORS & PINOUT :

RJ-45 Input (only Data)		
Pin	Symbol	Description
1	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+
5	BI_DC-	Data Pair C-
6	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+
8	BI_DD-	Data Pair D-
9	Shield	Connector shielding

RJ-45 Output (Data & Power)		
Pin	Symbol	Description
1	BI_DA+, Vo-	Data Pair A+, Output power (-)
2	BI_DA-, Vo-	Data Pair A-, Output power (-)
3	BI_DB+, Vo+	Data Pair B+, Output power (+)
4	BI_DC+, Vo+	Data Pair C+, Output power (+)
5	BI_DC-, Vo+	Data Pair C-, Output power (+)
6	BI_DB-, Vo+	Data Pair B-, Output power (+)
7	BI_DD+, Vo-	Data Pair D+, Output power (-)
8	BI_DD-, Vo-	Data Pair D-, Output power (-)
9	Shield	Connector shielding

Note :

1. the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).



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