



MSTronic Co., Ltd.

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MIT-56G-2F1T 802.3at PoE Injector

SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: 36Vdc to 57Vdc Normal = 48V
1.2 Input Current: 0.7A at 48Vdc @ 802.3af *2 INPUT

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	48V
Max. load	0.625A
Power	30W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

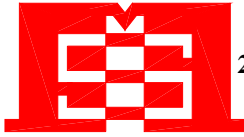
TOTAL POWER : 30W

Note 1: if the two inputs came from same PoE switch or the input voltages are the same, then the output may up to 30W, if the two inputs come from different PSE, then only the higher voltage input power the model, then the output only 0.35A maximum.

3. Input Polarity Reverse protection: only available for mode A (1,2/3,6) input, but both (12+/36-) or (12-/36+) all work.

4. GENERAL DESCRIPTION

- 4.1 Operation Temperature: -25 - +50 Degree
4.2 Storage Temperature: -40 - +85 Degree
4.3 Operation Humidity: 5% - 90%
4.4 Cooling: Free air cooling
4.5 SIZE : 85*78*36mm



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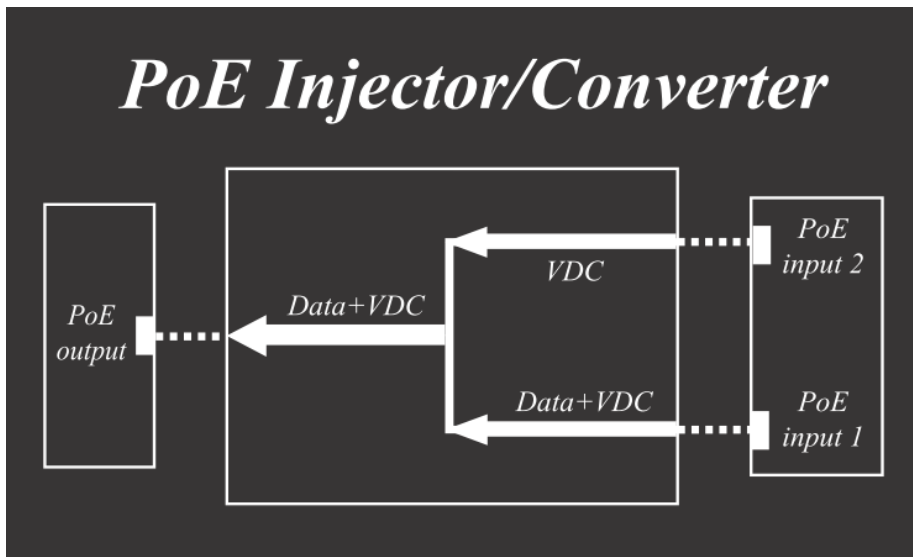
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5. Indicator

5.1 RED blink, only one input available. (no output)

5.2 RED steady, two inputs available.

5.3 GREEN steady, 802.3at delivering



INPUT data & Power-Connected to DTE (10/100/1000MBPS)

RJ-45 Input 1 (Data & Power)			RJ-45 Input 2 (Power)	
Pin	Symbol	Description	Symbol	Description
1	DA+, Vdc -/+	Data Pair A+, Feeding power -/+	Vdc -/+	Feeding power -/+
2	DA-, Vdc -/+	Data Pair A-, Feeding power -/+	Vdc -/+	Feeding power -/+
3	DB+, Vdc +/-	Data Pair B+, Feeding power +/-	Vdc +/-	Feeding power +/-
4	DC+,	Data Pair C+,	NC	No Connect
5	DC-,	Data Pair C-,	NC	No Connect
6	DB-, Vdc +/-	Data Pair B-, Feeding power +/-	Vdc +/-	Feeding power +/-
7	DD+,	Data Pair D+,	NC	No Connect
8	DD-,	Data Pair D-,	NC	No Connect



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Power Output & Data -Connected to DTE (10/100/1000MBPS)

RJ-45 (OUT)		
Pin	Symbol	Description
1	DA+, Vdc+	Data Pair A+, Feeding power (+)
2	DA-, Vdc+	Data Pair A-, Feeding power (+)
3	DB+, Vdc-	Data Pair B+, Feeding power (-)
4	DC+,	Data Pair C+,
5	DC-,	Data Pair C-,
6	DB-, Vdc-	Data Pair B-, Feeding power (-)
7	DD+,	Data Pair D+,
8	DD-,	Data Pair D-,

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



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