

Gigabit 70W PoE Injector

Ventev's Gigabit PoE Injector is IEEE 802.3at compliant producing 70 Watts of power at 56 Vdc. The injector is DIN rail mountable and easy to use, includes short circuit protection and wide operating temperature range makes it the perfect choice for use in all applications.

For questions or to purchase product, contact Ventev: 800-851-4965 or sales@ventev.com



Electrical Specifications:

1. INPUT :

- 1.1 Input Voltage: DC : 10V ~ 60V
- 1.2 Input Current :
 - 8.20A @10V_{in} at full load
 - 6.84A @12V_{in} at full load
 - 3.42A @24V_{in} at full load
 - 1.70A @48V_{in} at full load
 - 1.36A @60V_{in} at full load

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	56V
Max. load	1.25A
Power	70W Max.
Min. load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

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 : 86% min at Full Load , 10Vdc ~ 60Vdc 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.

SKU	540204
Part Number	DINPOE5DV150305

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- 4.3 Over Current : 802.3bt Limits @all DCV Input F.L
- 4.4 Input polarity Reverse Protection----- will not damage the Power Supply, NO work.
- 4.5 Input Over low Voltage Protection : 8V ~ 9V Turn-off Input
- 4.6 Surge protection on data input ports:

5.0 Indicators (on front panel, output RJ45)

JP3 (upper) GREEN indicates 802.3bt Output –OK

LED1 PWR PSE ready

6. GENERAL DESCRIPTION

- 6.1 Operation Temperature: -40 - +50 C
- 6.2 Storage Temperature: -40 - +85 C
- 6.3 Operation Humidity: 5% - 90%
- 6.4 Cooling: Free air cooling
- 6.5 SIZE : 46 x 125 x 102 mm (W*H*D)

7. RJ45 pin out assignment: (10M/100M/1000M/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 : the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).

8. CONNECTOR FIGURE :

Input : HD-515R8C 5P (P1)

Allow two inputs for redundant.

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Mechanical Specifications:

