

Best.nr: 20100892

SPECIFICATION

80W High Power PoE Splitter

1. INPUT :

1.1 Input Voltage: DC-40V to DC-60V NORMAL= 56V

2. OUTPUT :

2.1 Output Voltage & Current & Waveform :

OUTPUT	48V
Max. load	1.67A
Power	80W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%

TOTAL POWER : 80W(2)

Note :

- (1) if input PSE is rated at 70W, OUTPUT limit is 56W(max)
- (2) For maximum output of 80W, the input DC power supply should be 100W min.
- (3) **PoE input must use all 8 pins. If only 4 pins input are used when power draw up to 80W, the connector will be burnt.**

3. EFFICIENCY : 80% min @ 56Vin dc

4. PROTECTION

4.1 Short Circuit Protection

output Short GND Terminal will not damage the Power Supply and will Auto-Reset. Over Load Protection is flyback mode , auto-recovery.

4.2 Operation frequency Switch is 70KHZ

4.3 Isolation Voltage : 1500Vdc

4.4 Isolation Resistance :100M ohms (min)

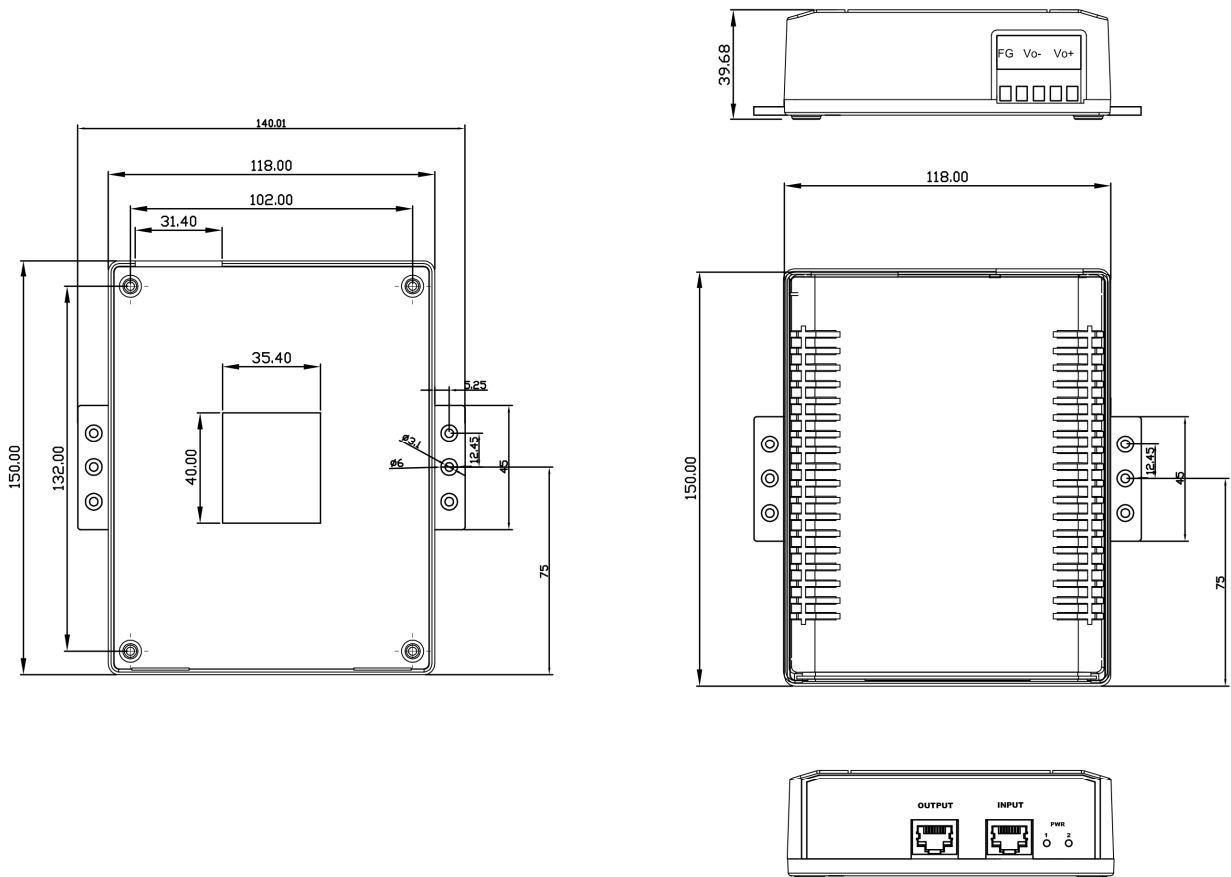
4.5 Input Set class Resistance : 25K ohms (see note 1)

4.6 Input Set is 802.3at class.

4.7 Maximum Load : 150% over load

5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -20 - +50 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. CHANNEL CONNECTORS & PINOUT :

6.1 Power-Hub RJ45 Input Socket (per channel) data & Power-Connected to DTE

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

6.2 Output Power & Data -Connected to DTE

RJ-45 Output (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

Note :

1. DC output and Vin+/- should not be shorted to ground(FG).
2. Two Power-hub port should not be connected together, in order to prevent ground loops.

7. E M I Meet FCC Class B Radiation standard
 Meet EN55022 Class B Radiation standard

8. Operation Model at PSE_at INPUT

*.Detection 802.3at, power input to all P1~P8.

*.Detection dual signal.(1,2/3,6), (4,5/7,8)

POE INPUT = POEat input 56V(1,2/3,6)(4,5/7,8)

LED = GREEN

POE INPUT = POEat input only 56V(1,2/3,6)

LED = GREEN a Flash of Light

POE INPUT = POEat input only 56V(4,5/7,8)

LED = GREEN a Flash of Light

9. Operation Model DC POWER SUPPLY

DC input is 56V(1,2/3,6)(4,5/7,8)

LED = GREEN

DC input is 56V(1,2/3,6)

LED = GREEN a Flash of Light

DC input is 56V(4,5/7,8)

LED = GREEN a Flash of Light

10. PACKAGE

White box (267 x 160x 45mm),

20 pcs/carton , (490x300x370mm) N.W. 7Kg, G.W.: 8Kg, 1.8Cuft.