SPECIFICATION

1U 350W
ATX 48VDC input
Industrial Grade Power Supply

Model: **P6350P-48 1U**

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1.Input Characteristics

1.1 Input Voltage Range ---------- -38Vdc To –72Vdc,

1.2 Input Dc Current (Max) ---------- 11.0A Max. Full load.

2.Output Characteristics

2.1 Static Output Characteristics.

Output Voltage	Load Range Min.	Load Range Max.		Regulation Min.	Regulation Max.	Ripple Max mV P-P	Ripple & Noise Max. mV P-P
1. +3.3 V	0.3 A	28.0 A		- 5 %	+ 5 %	50 mV	100 mV
2. +5.0 V	2.5 A	30.0 A		- 5 %	+ 5 %	50 mV	100 mV
3. +12.0 V	0.5 A	20.0 A		- 5 %	+ 5 %	100 mV	150 mV
4. -5.0 V	0.0 A	1.0 A		- 10 %	+ 10 %	150 mV	200 mV
5. -12.0 V	0.0 A	1.0 A		- 10 %	+ 10 %	150 mV	200 mV
6. SB +5.0 V	0.0 A	1.5 A		- 5 %	+ 5 %	100 mV	100 mV

Note:

1. Noise Test ----- Noise bandwidth is from DC To 20MHz.
2. Ripple frequencies greater than 1 MHz shall be attenuated by the measurement system.
3. Add 0.1uF / 10uF capacitor at output connector terminals for ripple & noise measurements.
4. Combined total power from +3.3v and +5v rails shall not exeeced 160W
5. The total output power shall not exceed 350W.

2.2 Dynamic Output Characteristics:

2.2.1 Rise Time ---- 100 ms max. at nominal line full load.

2.2.2 Turn-on Delay Time ----- 600 ms max. at nominal line full load.

2.2.3 Hold-up Time ----- 16 ms min. for + 5v output at nominal line full load.

2.2.4 Transient Overshoot ----- 10% max. of delay state after load change of 25% within the range of 50% to 100% of full load.

2.2.5 Temperature Coefficient ----- 0.03% Per ◦C Max.

3.Protections

3.1 Over Voltage Protection --- Standard on +3.3V output set at 4.10Vdc at +/-0.40Vdc.
+5.0V output set at 6.25Vdc at +/-0.75Vdc.
+12.0V output set at 14.6Vdc at +/-1.0Vdc.

3.2 Short Circuit Protection --- A short circuit placed between Dc return and output shall cause no damage and the power supply shall shutdown.

3.3 Over Power Protection --- The power supply can use electronic circuit to limit the output, power against excessing +150% of full load, or protected against excessive power delivery due to short circuit of any output or over total power.

3.4 No load Operation --- No parts damaged on power supply.

4.Dielectric Withstand Voltage

4.1 Primary to Secondary --- 1500Vac for 1 minute or 1800Vac for 1 sec.

4.2 Primary to Safety Ground --- 1500Vac for 1 minute or 1800Vac for 1 sec.

4.3 Insulation Resistance --- Primary to safety ground - 500Vdc, 50M ohms min.

5.Environment

5.1 Operation Temperature ---------- Air temperature 0 °C to 50 °C.

5.2 Operation Relative Humidity ---------- 20% to 90%.

5.3 Storage Temperature ---------- Air temperature -20 °C to 60 °C.

5.4 Storage Relative Humidity ---------- 5% to 95%.

5.5 Altitude ---------- Operate properly at any altitude between 0 to 100,000 feet. Storage 40,000 feet.

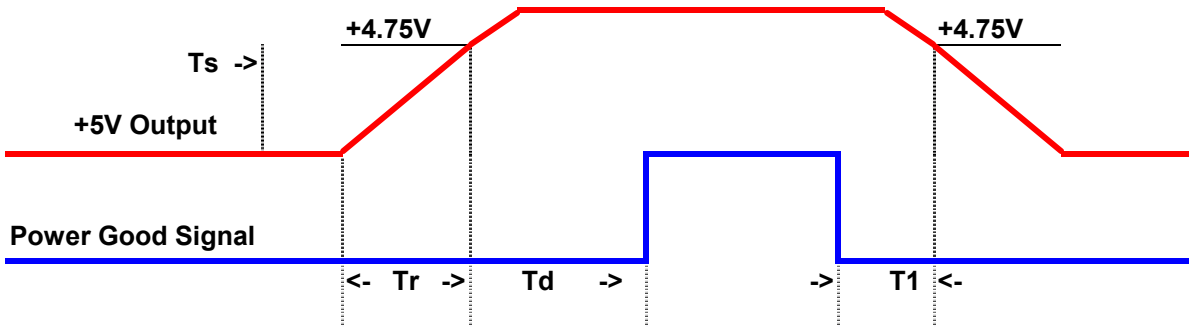
5.6 Vibration ---------- 0.38mm. 5-55-5Hz, 1 minutes per cycle; 30 minutes for each axis (X,Y,Z).

6.Burn-In

6.1 Burn-In ---------- At 40 ◦C, max. load, 2 hours.

7.Mean Time Between Failure ----------100 KHrs minimum at full load and 25 °C ambient temperature.

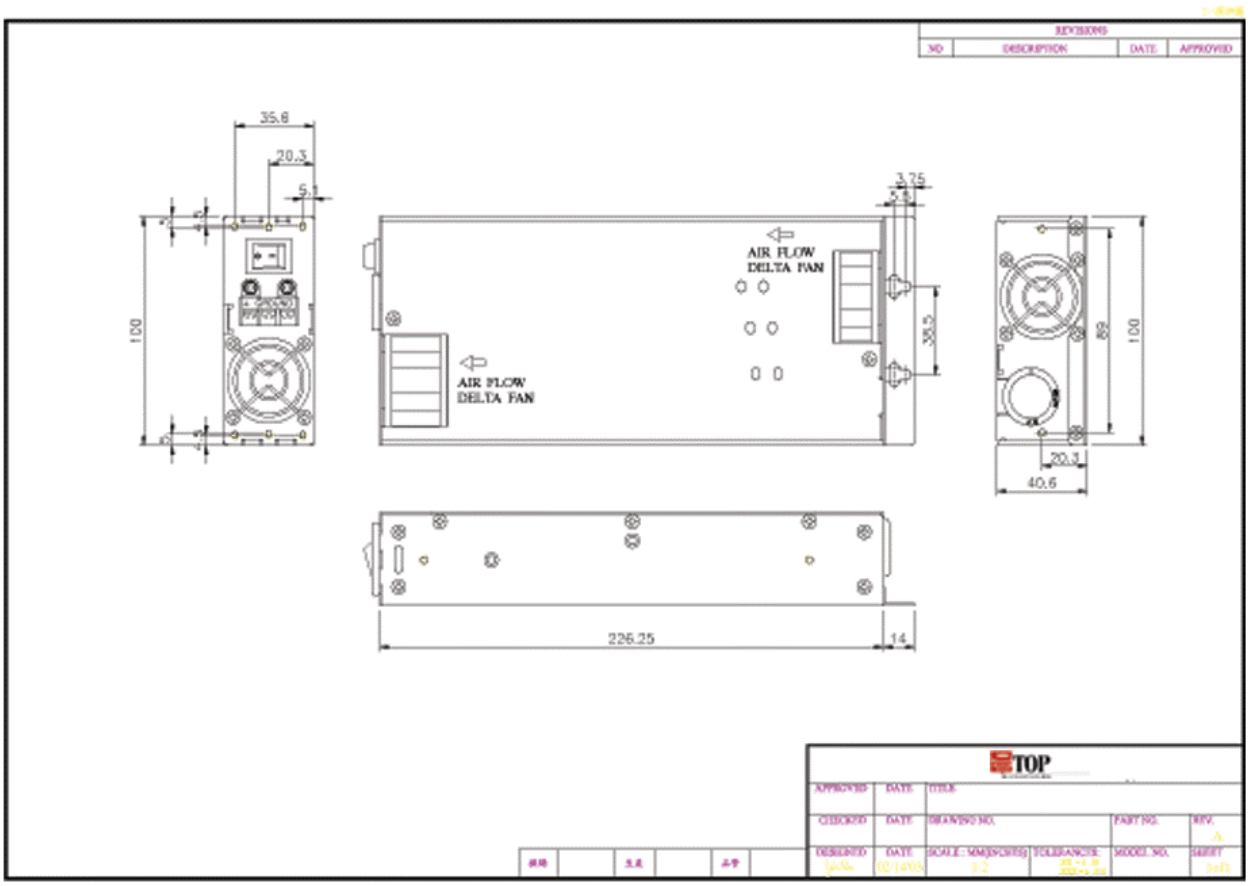
8.Power-Good Signal



Note: Tr ≤ 100 ms, T1 ≥ 1 ms, Td = 100 - 500 ms.

9.Dimension

9.1 W x H x D ---------- 100.0 x 40.6 x 218.25 (mm)


35.8
20.3
5.1
100
AIR FLOW
DELTA FAN
AIR FLOW
DELTA FAN
3.75
38.5
89
100
20.3
40.6
226.25
14