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FORTRON Source ZEN400 ATX2.2 Fanless High Performance Power Supply



Features

The ZEN 400 ATX2.2 is a high-performance Power Supply in mission critical applications. Its ATX-Formfaktor allows to use it in PC-based Server Systems which do not tolerate extensive downtime and any moving parts. Fanless Power Supply with active PFC and 88% Efficiency

Input Voltage : 100 – 240 VAC (50...60Hz)
Input Frequency: 50...60Hz
Input Power : 3.0A
Over Voltage & Over Power Protection , Short Current Protection

OUTPUT CHARACTERISTICS:

OUTPUT VOLTAGE	OUTPUT CURRENT			LOAD	OUTPUT RIPPLE & NOISE MAX. (P-P)
	MIN.[A]	Norm[A]	Max		
+ 5V	5.0	7	14		60mV
- 12V	0.0	0,25	0,5		100mV
+12V1	0,2	7	14		100mV
+12V2	0.2	6,5	13		100mV
+3.3V	0.0	10	20		60mV
+5VSB	0.0	1,25	2,5		60mV

The +3.3 V and +5V shall not exceed 130 W
Total Output Power is 400 W
Peak Power is 560W

Connectors :

- * 1 x 24/20-pin
- * 1 x 8-pin EPS12V
- 1 x 4-pin ATX12V
- 2 x 5 Pin PCIe
- 6 x sATA Power
- 6 x IDE-Power
- 2 x Floppy Power

SPECIFICATION:

- **TEMPERATURE RANGE:** Operating 0 Degr. C 40 Degr.C
- Non Operating -20 Degr.C 80 Degr.C
- **HUMIDITY :** 10 ~ 90% non Condensing
- **HOLD UP TIME:** 16 ms Minimum at full Load & normal Input Voltage

- * **DIELECTRIC WITHSTAND:** Input/Output 1500 VAC for 1 Sec.

- * **INPUT TO FRAME GROUND :** 1500 VACfor 1 Sec.

- **EFFICIENCY:** 88 % typical , at full Load 220 VAC
- **POWER GOOD SIGNAL:** On-Delay : 100 ms - 500 ms, Off-Delay 1 ms
- **OVER LOAD PROTECTION:** 110 ~150% max.
- **OVER CURRENT PROTECTION:** +5V: 44A ~ 60A, 3.3V:33A ~ 45A , 12 V: 27.5 ~37,5 A
- **OVER VOLTAGE PROTECTION:** +5V: 5.7 ~ 6.5V, 3.3V: 3.9 ~ 4.3V , 12V: 13.6 ~15V
- **SHORT CIRCUIT PROTECTION:** Shutdow & Latch
- **EMI :** Meets FCC Class B, CISPR22 Class B
- **Standards :** UL 1950, CSA 22.2 NO/ 950, TUV IEC 950
- IEC-1000-3-2 CLASS D (ACTIVE PFC)
- **DIMENSION:** 160 x 85 x 150 mm (D x H x W)