

[ABOUT US](#)

POWER SUPPLIES

[BATTERY DOC](#)

[PRESS RELEASES](#)

[SALES](#)

MEDICAL

340/420 Watt

- A family of multiple output, 340/420 Watt, universal input switching power supplies
- Agency certified for use in medical and information technology products
- Auto-ranging universal input
- Active power factor correction
- High MTBF >100,000 hours

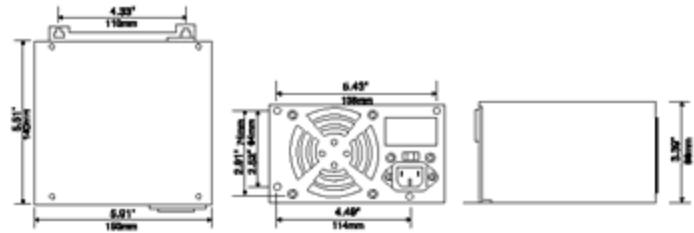


MODEL OTE-ATX-340/420

Output Specifications			340W (115Vac)	420W (230Vac)
DC Volt	Ripple & Noise	Total Reg.	Output Current (Min/Max)	Output Current (Min/Max)
+3.3V	50mV	4%	0.5A/30A	0.5A/35A
+5V	50mV	5%	5A/30A	11A/40A
+12V	120mV	5%	4A/20A	5A/30A
-5V	50mV	10%	0A/1A	0A/1A
-12V	120mV	10%	0A/1A	0A/1A
+5Vsb	50mV	5%	0A/2.0A	0A/2.0A
3.3V & +5V			185W	220W
Total Output Power			340W	420W

Efficiency: 70% typical full load
 Hold Up Time: 17m Sec min @ 230AC full load
 Over Power Protection: 105%-160% of max load
 Over Voltage Protection: +5V: 5.6 - 6.9V
 +3.3V: 3.7 - 4.5V
 +5Vsb: 5.6 - 6.9V

Power Good Signal:TTL logic high when DC outputs are within regulation
 Input: 115V Max. continuous total DC output power shall not exceed 340W
 Max. output combined on -5V & +3.3V shall not exceed 185W
 Input: 230V Max. continuous total DC output power shall not exceed 420W
 Max. output combined on -5V & +3.3V shall not exceed 220W



[Download Medical 340/420 Watt Brochure](#)

SPECIFICATIONS

ELECTRICAL

INPUT

- Universal, 90 - 264Vac, 47-63 Hz, single phase
- Inrush current:
 - 30 A Max @ 115Vac & cold start
 - 60 A Max @ 230Vac & cold start

OUTPUT

- Ripple * 1 % p-p of output voltage measured differentially
- Max start-up time 5 s
- Holdover 16 ms minimum
- Power good signal Trail time: 100 ~ 500 ms; Leading time: 1 ms min

**Ripple voltage measurement is done with an oscilloscope set at 20 MHz bandwidth and output terminated with 0.1uF ceramic capacitor and 47uF aluminum capacitor at full load and nominal line.*

EFFICIENCY

- 70% typical

PROTECTION

- **Short circuit protection:** Power shut down: When output 1, 2, 3, 4, 5 shorted to GND. To be reset by recycle of input power. No damage to this power supply when Output 6 shorted to GND.
- **Over voltage protection:** Output voltage will be clamped at 5.8 ~ 6.5 V. Power supply will be shut down when OVP occurs. Recycle input power to reset OVP.

LEAKAGE CURRENT

- 300uA max @ Full load and 230Vac input
- 150uA max @ Full load and 115Vac input

MECHANICAL

- AC socket IEC-320C14, 10A / 250Vac
- AC switch 16A/250V
- DC output: 400mm cable with Molex 39-01-2200 (housing) or EQ:
 - Output 1: Pin 1, 2
 - Output 2: Pin 4,6,19,20
 - Output 3: Pin 10
 - Output 4: Pin 18
 - Output 5: Pin 12
 - Output 6: Pin 9
 - GND: Pin 3, 5, 7, 13, 15, 16,17
 - Power Good: Pin: 8
 - Output 1 sense: Pin 11
 - Power ON/OFF: Pin 14
- 400mm and 155mm cable with Molex 8981-4P (housing) or EQ:
 - Pin 1: Output 3
 - Pin 2,3: GND
 - Pin 4: Output 2
- 400mm and 155mm cable with Molex 8981-4P (housing). 155mm cable with AMP 171822-4 (housing) or EQ:
 - Molex 8981-4P
 - Pin 1: Output 3
 - Pin 2,3: GND
 - Pin 4: Output 2
 - AMP 171822-4
 - Pin 1: Output 2
 - Pin 2,3: GND
 - Pin 4: Output 3
- Dimensions (L x W x H), mm 150 x 140 x 86
- Weight typical, g: 1950

ENVIRONMENTAL

- Operating temperature 0 to + 40 ° C (at full rated output power with natural convection cooling and in non-restricted environment)
- Storage temperature -20 to 85 ° C
- Operating humidity 10 to 90 %
- Storage humidity 5 to 95 %

HI-POT TEST

- Primary to FG 1500Vac / 1 minute @ 10mA max

EMI COMPLIANCE

- FCC part 15J Class B
- CISPR 22 (EN 55022) Class B

SAFETY APPROVALS

- IEC 601-1
- UL60101-1 (UL2601)
- cUL60101-1 (cUL2601)
- EN60601-1
- CE Mark

Contact Us 850 Greenview Drive, Grand Prairie, Texas 75050 Phone: 972.988.6828 Fax: 972.641.7089