

ORION-B3501P 350W 2U ATX power supply with active PFC



SPECIFICATION

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	10A@115V, 6A@230V
Efficiency	> 67%
Holdup Time	16 ms at full load
Over Voltage Protection	+5V: 6.5 ~ 7.0V; +3.3V: 4.5V; +12V: 14.5V
Over Power/Load Protection	Output power over 110% ~ 150%
MTBF	100,000 hrs
EMI & Safety Approval	UL, CB, TUV, CE, FCC
Temperature/Humidity	Operating: 0 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	200 x 100 x 70 mm; 7.87" x 3.94" x 2.8"

FEATURES

- 2U ATX power supply suitable for 2U and larger chassis
- Active PFC, full-range input
- Support Intel® Pentium® 4 processor
- Max. +5V standby output is 2A
- Max. +12V load output is 25A

ORDERING GUIDE

- **ORION-B3501P**
350W 2U ATX power supply with active PFC

DC OUTPUT

	+5V	+3.3V	+12V	-12V	+5Vsb
Max. Load	25A	17A	25A	0.5A	2A
Min. Load	1.0A	1.0A	1.0A	0.25A	0A
Load Reg.	±5%	±5%	±5%	±10%	±5%
Line Reg.	±1%	±1.5%	±0.4%	±0.4%	±1%
Ripple	50mv	50mv	120mv	120mv	50mv
Noise	100mv	100mv	150mv	200mv	100mv

ORION-B4001

400W 2U ATX power supply with active PFC



SPECIFICATION

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	7A@115V, 3.5A@230V
Efficiency	> 70%
Holdup Time	16 ms. at full load
Over Voltage Protection	+5V: 5.7~6.5V; +3.3V:3.9~4.3V; +12V: 13.6~15.0V
Over Power/Load Protection	Output power over to 110%~150%
MTBF	87,961 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 0 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	100 x 240 x 70 mm; 3.9" x 9.4" x 2.8"

FEATURES

- Low profile power supply, suitable for 2U and node chassis
- Dual ATX 12V power connector for dual Intel® Xeon™ processor based server board ROBO-8820VG2
- Active PFC, full range input
- Total output power of +5V, +3.3V and +12V is 385W

ORDERING GUIDE

- **ORION-B4001**
400W 2U ATX power supply with active PFC

DC OUTPUT

	+5V	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	33A	28A	25A	0.8A	1A	2A
Min. Load	5A	1A	2.5A	0.05A	0.1A	0.1A
Max. Watt	385W			4W	12W	10W
Load Reg.	±5%	±5%	±5%	±5%	±5%	±5%
Cross Reg.	±5%	±5%	±5%	±5%	±5%	±5%
Line Reg.	±1%	±1.5%	±0.4%	±1%	±0.4%	±1%
Ripple	±1.2%	±1.5%	±0.8%	±3%	±1.25%	±1.2%
Noise	±1.2%	±1.5%	±0.8%	±3%	±1.25%	±1.2%