

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 110% ~ 150%
MTBF	87961 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)	100x240x70 mm; 3.9"x9.4"x2.8"

FEATURE

- 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

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DC Output

	+5	+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	385W	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%

ORION-300S

300W 2U ATX power supply



Specification

Input Voltage	90V ~ 132V, 180V ~ 264V AC selectable
Input Frequency	47 ~ 63 Hz
Input Current	8A@115V, 4A@230V
Efficiency	> 75%
Holdup Time	16 ms. at full load
Over Voltage Protection	+5V: 5.15 ~ 6.45V; +12V: 12.6 ~ 15.6V
Over Power/Load Protection	Output power over 120%
MTBF	100,000 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)	100x190x70 mm; 3.94"x8.3"x2.8"

FEATURE

- Low profile power supply suitable for 2U and node chassis
- Entry-level 2U power supply
- Total output of +5V, +12V and +3.3V is 278W
- Max. +5V standby output is 1.5A

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300W 2U ATX power supply

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	30A	20A	12A	0.5A	1A	1.5A
Min. Load	3A	1A	1A	0A	0A	0A
Max. Watt.	278W	278W	278W	14.5W	14.5W	7.5W
Load Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Cross Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%	±1%
Ripple	±1%	±1%	±1%	±1%	±1%	±1%
Noise	±1%	±1%	±1%	±2%	±2%	±1%