

ORION-450AX

450W Auto-range input PS/2 ATX power supply



Specification

Input Voltage	90V ~ 132V, 180V ~ 264V AC Auto-range
Input Frequency	47 ~ 63 Hz
Input Current	7A@115V, 4A@230V
Efficiency	> 70%
Holdup Time	16.7 ms. at full load
Over Voltage Protection	+5V: 5.6 ~ 6.5V; +3.3V: 4.0 ~ 4.5V; +12V: 13.5 ~ 15.5V
Over Power/Load Protection	Output power over 110% ~ 150%
MTBF	80,000 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 0 ~ 40°C, 10 ~ 90%RH Storage: -60 ~ 70°C, 5 ~ 95%RH
Dimension (WxDxH)	150x140x86 mm; 5.9"x5.5"x3.4"

FEATURE

- PS/2 ATX power supply suitable for 2U and up chassis
- Auto-range AC input
- 450W output suitable for heavy loading systems

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ORION-450AX

450W Auto-range input PS/2 ATX power supply

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	40A	28A	17A	0.5A	1.5A	1A
Min. Load	2A	0A	0.2A	0A	0A	0A
Max. Watt.	225W	225W	204W	2.5W	18W	5W
Load Reg.	±5%	±2%	±5%	±5%	±10%	±5%
Ripple	±1.2%	±1.5%	±1%	±1.2%	±1%	±2%
Noise	±1.2%	±1.5%	±1%	±1.2%	±1%	±2%

ORION-D4601

460W PS/2 ATX power supply with active PFC



Specification

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	7.5A@115V, 3.5A@230V
Efficiency	> 71%
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.
Over Current Protection	+5V: 44 ~ 60A; +3.3V: 33 ~ 45A; +12V: 29.7 ~ 40.5A
Over Power/Load Protection	Output power over 110% ~ 150%
MTBF	98,302 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)	150x140x86 mm; 5.9"x5.5"x3.4"

FEATURE

- PS/2 ATX power supply suitable for 2U up chassis
- Active PFC, full-range input
- Support for Intel® Pentium® 4 processor
- Max. +5V standby output is 2A

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ORION-D4601

460W PS/2 ATX power supply with active PFC

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	40A	30A	27A	0.8A	1A	2A
Min. Load	5A	1A	2.5A	0A	0A	0.1A
Max. Watt.	460W	460W	460W	460W	460W	460W
Load Reg.	±5%	±5%	±5%	±5%	±5%	±5%
Line Reg.	±1%	±1.5%	±0.4%	±1%	±0.4%	±1%
Ripple	±1.2%	±1.8%	±0.8%	±1.2%	±0.8%	±1.2%
Noise	±1.2%	1.8%	±0.8%	±1.2%	±0.8%	±1.2%