

ORION-150AX

150W 1U ATX power supply



Specification

Input Voltage	90V ~ 132V, 180V ~ 264VAC Auto-range
Input Frequency	47 ~ 63 Hz
Input Current	5A@115V, 2.5A@230V
Efficiency	60%
Holdup Time	16 ms. at full load
Over Voltage Protection	+5V: 5.5 ~ 7V; +3.3V: 4.0 ~ 5.0V; +12V: 13.5 ~ 16V
Over Power/Load Protection	Output power over 110% ~ 150%
MTBF	111,296 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 10 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	100x190x40.5 mm; 3.94"x7.5"x1.6"

FEATURE

- Low profile power supply suitable for 1U and node chassis
- Entry-level 1U power supply
- Auto-range AC input
- Max. +5V standby output is 0.72A
- AT model available (ORION-150A)

ORDERING GUIDE

ORION-150AX

150W 1U Auto-range input ATX power supply

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	10A	6A	6A	0.2A	1A	0.72A
Min. Load	3A	1A	1A	0A	0A	0A
Load Reg.	±5%	±5%	±8%	±10%	±15%	±5%
Cross Reg.	±4%	±4.5%	±4.2%	±3%	±4.2%	±3%
Line Reg.	±1%	±1.5%	±0.4%	±1%	±0.4%	±1%
Ripple	±3.2%	±2.4%	±1%	±2.4%	±1.3%	±1.4%
Noise	±3.2%	±2.4%	±1%	±2.4%	±1.3%	±1.4%

ORION-A1501

150W 1U ATX power supply with active PFC



Specification

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	4A@115V, 2A@230V
Efficiency	> 65%
Holdup Time	16 ms at full load
Over Voltage Protection	+5V: 5.6 ~ 6.6V; +3.3V: 3.6 ~ 4.2V; +12V: 13.2 ~ 14.6V
Over Power/Load Protection	Output power over 110% ~ 160%
MTBF	84,228 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)	100x190x40 mm; 3.9"x7.48"x1.57"

FEATURE

- Low profile power supply suitable for 1U and node chassis
- Active PFC, full-range input
- Same dimension as ORION-150AX
- Higher +5V and +3.3V output
- Max. +5V standby output is 1.5A

ORDERING GUIDE

ORION-A1501

150W 1U ATX power supply with active PFC

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	14A	10A	6A	0.5A	0.8A	1.5A
Min. Load	2A	1A	1A	0.1A	0.1A	0.1A
Max. Watt.	135W	135W	135W	2.5W	9.6W	7.5W
Load Reg.	±5%	±5%	±5%	±5%	±10%	±5%
Cross Reg.	±5%	±5%	±5%	±5%	±10%	±5%
Line Reg.	±1%	±1.5%	±0.8%	±1%	±1%	±1%
Ripple	±1%	±1.8%	±1%	±2%	±1%	±1.2%
Noise	±1.4%	±2.1%	±1%	±2%	±1%	±1.4%