



# ORION-A4001

400W 1U ATX power supply with active PFC



## FEATURES

- Low profile power supply suitable for 1U and node chassis
- Active PFC, full-range input
- Support for dual Intel Xeon processors
- Total output of +5V and +3.3V is 50A
- Max. +5V standby output is 2A

## ORDERING GUIDE

- **ORION-A4001**  
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## DC OUTPUT

|                           | +5   | +3.3V | +12V  | -5V   | -12V  | +5Vsb |
|---------------------------|------|-------|-------|-------|-------|-------|
| <b>Max. Load</b>          | 35A  | 28A   | 14A   | 0.5A  | 0.8A  | 2A    |
| <b>Min. Load</b>          | 2A   | 1A    | 0.5A  | 0.1A  | 0.1A  | 0.1A  |
| <b>Load Reg.</b>          | ±5%  | ±5%   | ±3%   | ±10%  | ±10%  | ±5%   |
| <b>Line Reg.</b>          | ±1%  | ±1%   | ±1%   | ±1%   | ±1%   | ±1%   |
| <b>Ripple &amp; Noise</b> | 60mv | 50mv  | 120mv | 150mv | 150mv | 50mv  |

## SPECIFICATION

|                            |   |
|----------------------------|---|
| Input Voltage              | 90V ~ 264V AC, full range   |
| Input Frequency            | 47 ~ 63 Hz  |
| Input Current              | 8A@115V, 4A@230V  |
| Efficiency                 | > 65%   |
| Holdup Time                | 16 ms. at full load   |
| Over Voltage Protection    | +5V:5.7~6.5V; +3.3V:3.9~4.3V; +12V1:13.6~15.0V; +12V2:13.6~15.0V  |
| Over Power/Load Protection | Output power over 110% ~ 150%                                     |
| MTBF                       | 128,930 hrs   |
| EMI & Safety Approval      | UL, cUL, TUV, CE, FCC   |
| Temperature/Humidity       | Operating: 0 ~ 40°C, 20 ~ 90%RH<br>Storage: -20 ~ 60°C, 5 ~ 95%RH |
| Dimension (WxDxH)          | 106 x 300 x 40.5 mm; 4.2" x 11.8" x 1.6"                          |

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