

ORION-2253

450W+225W (N+1) PS/2 hot-swap ATX redundant power supply



Specification

Input Voltage	90V ~ 132V, 180V ~ 264V AC selectable
Input Frequency	47 ~ 63 Hz
Input Current	12A@115V, 6A@230V
Efficiency	> 75%
Holdup Time	16 ms. at full load
Over Voltage Protection	+5V: 5.15 ~ 6.45V; +3.3V: 3.7 ~ 4.5V; +12V: 12.6 ~ 15.6V
Over Load Protection	Output power over 120%
MTBF	167,000 hrs
EMI & Safety Approval	UL, cUL, TUV
Temperature/Humidity	Operating: 0 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	86x181x150 mm; 3.4"x7.1"x5.9"

FEATURE

- Mini-redundant ATX power supply suitable for 2U and up chassis
- 450W output suitable for heavy loading systems
- ATX 2.03 standard compliant
- Max. +5V standby output is 2.5A

ORDERING GUIDE

ORION-2253

450W+225W (N+1) PS/2 hot-swap ATX redundant power supply

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	45A	25A	25A	1A	2A	2.5A
Min. Load	3A	0A	1A	0A	0A	0A
Max. Watt.	250W	250W	300W	5W	24W	12.5W
Load Reg.	±5%	±6%	±5%	±10%	±10%	±5%
Cross Reg.	±5%	±6%	±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%

ORION-2004

600W+200W (N+1) redundant switching power supply



Specification

Input Voltage	90V ~ 132V, 180V ~ 264V AC selectable
Input Frequency	47 ~ 63 Hz
Input Current	15A@115V, 8A@230V
Efficiency	> 65%
Holdup Time	20 ms. at full load
Over Voltage Protection	+5V: 5.6 ~ 6.5V; +3.3V: 3.8 ~ 4.3V; +12V: 13.6 ~ 15.6V
Over Power/Load Protection	Output power over 110% ~ 130%
MTBF	100,000 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 0 ~ 50°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	100x210x214.1 mm; 4"x8.3"x8.4"

FEATURE

- N+1 redundant power supply suitable for 5U and up chassis
- 600W output suitable for heavy loading systems
- ATX 2.01 standard compliant
- Max. +5V standby output is 1.5A

ORDERING GUIDE

ORION-2004

600W+200W (N+1) redundant power supply (total 800W output), with one ATX & one P8P9 output connectors

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	60A	48A	20A	1.5A	3A	1.5A
Min. Load	3A	0.3A	0.5A	0A	0A	0A
Max. Watt.	550W	550W	550W	7.5W	36W	7.5W
Load Reg.	±5%	±4%	±5%	±10%	±10%	±5%
Cross Reg.	±5%	±4%	±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%