

ORION-F30020

300W+300W PS/2 redundant power supply with active PFC



Specification

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	6A@90V
Efficiency	> 65%
Holdup Time	20 ms. at full load
Over Voltage Protection	+5V:5.7~6.5V; +3.3V:3.9~4.5V; +12V:13.3~14.5V; +5Vsb:5.7~6.5V
Over Current Protection	5V:36~40A; +3.3V:36~40A; +12V:20~25A; -12V:1.5~2A; +5Vsb:2.5~3.5A
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)	85x227x150 mm; 3.3"x8.9"x5.9"

FEATURE

- Mini-redundant power supply suitable for 2U and up chassis
- Active PFC, full-range input
- Max. +5V standby output is 2A

ORDERING GUIDE

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DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	30A	28A	15A	0.3A	0.8A	2A
Min. Load	2A	0.3A	0.5A	0A	0A	0A
Max. Watt.	180W	180W	180W	1.5W	9.6W	10W
Load Reg.	±5%	±3%	±5%	±10%	±5%	±5%
Cross Reg.	±5%	±3%	±5%	±10%	±5%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%	±1%
Ripple	±1%	±1.5%	±1%	±2%	±1%	±1%
Noise	±1%	±1.5%	±1%	±2%	±1%	±1%

ORION-F4002

400W+400W dual PS/2 redundant switching power supply with active PFC



Specification

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	9A@115V, 5A@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 Load Protection	Output power over 110% ~ 130% on +3.3V/+5V 120% ~ 150% on +12V
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)	153.4x214.3x187.5 mm; 6"x8.4"x7.4", dual PS/2 size

FEATURE

- Dual PS/2 power supply suitable for 6U and up chassis
- Active PFC, full-range input
- Same dimension as ORION-3005H/4005H
- Two independent AC inputs

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ORION-F4002

400W+400W dual PS/2 redundant power supply with active PFC

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	45A	30A	18A	0.3A	0.8A	2A
Min. Load	3A	0A	1A	0A	0A	0A
Max. Watt.	370W	370W	370W	1.5W	9.6W	10W
Load Reg.	±5%	±5/-3%	±5%	±5%	±5%	±10%
Cross Reg.	±5%	±5/-3%	±5%	±10%	±5%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%	±1%
Ripple	±1%	±1%	±1%	±1%	±1%	±1%
Noise	±1%	±1%	±1%	±2%	±2%	±1%