

# ORION-3002

300W PS/2 hot-swap redundant power



## Specification

Input Voltage	90V ~ 132V, 180V ~ 264V AC Auto-range
Input Frequency	47 ~ 63 Hz
Input Current	6A@115V, 3A@230V
Efficiency	> 65%
Holdup Time	20 ms. at full load
Over Voltage Protection	+5V: 5.6 ~ 6.5V; +12V: 13.6 ~ 15.6V
Over Power/Current Protection	Output power over 120% ~ 140%
MTBF	100,000 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)	86x175x150 mm; 3.4"x6.9"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

- ORION-3002-X**  
300W PS/2 hot-swap ATX redundant power supply
- ORION-3002-X1**  
300W PS/2 hot-swap FL ATX redundant power supply
- ORION-3002-T**  
300W PS/2 hot-swap AT redundant power supply
- ORION-3002-R**  
300W PS/2 hot-swap redundant power supply for RAID

## DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	30A	16A	14A	0.5A	1A	2A
Min. Load	3A	1A	1A	0A	0A	0A
Max. Watt.	280W	280W	280W	2.5W	12W	10W
Load Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Cross Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%	±1%
Ripple	±1%	±1%	±1%	±2%	±1%	±1%
Noise	±1%	±1%	±1%	±2%	±2%	±1%

# BPS-250RDDX/48

230W -48V DC input DC/DC PS/2 hot swap power supply



## Specification

Input Voltage	-40V ~ -56V DC
Input Current	47 ~ 63 Hz
Efficiency	> 75%
Holdup Time	> 65%
Over Voltage Protection	+5V: 5.15 ~ 6.45V; +12V: 12.6 ~ 15.6V
Over Power/Load Protection	+5V, +12V
MTBF	167,000 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)	ORION-250RDD: 150x140x86 mm; 5.9"x5.5"x3.4" ORION-250RDDX: 150x175x86 mm; 5.9"x6.9"x3.4"

## FEATURE

- Mini-redundant ATX power supply suitable for 2U and up chassis
- Suitable for telecommunication applications
- AT model available (BPS-250RDD)

## ORDERING GUIDE

- BPS-250RDD/48**  
230W -48V DC input DC/DC PS/2 hot-swap power supply
- BPS-250RDDX/48**  
230W -48V DC input DC/DC PS/2 ATX hot-swap power supply

## DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	30A	15A	14A	0.5A	0.5A	0.7A
Min. Load	3A	3A	1A	0A	0A	0A
Max. Watt.	220W	220W	220W	2.5W	6W	3.5W
Load Reg.	±5%	±5%	±5%	±10%	±10%	±5%
Cross Reg.	±5%	±5%	±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%