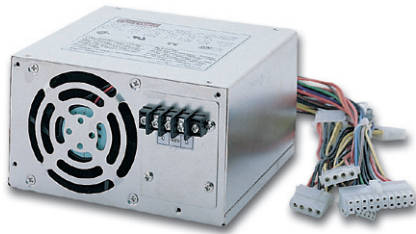


# ORION-300DX/24/48 300W -48V/24V DC input DC/DC PS/2 ATX power supply



## SPECIFICATION

Input Voltage	-40V~-72V DC for ORION-300DX/48 19V~32V DC for ORION-300DX/24
Input Current	10A@-48V, 20A@24V DC input
Efficiency	> 65%
Holdup Time	16 ms
Over Voltage Protection	+5V: 5.7 ~ 7.0V
MTBF	100,000 hrs
EMI & Safety Approval	UL, TUV, CSA
Temperature/Humidity	Operating: 0 ~ 40°C, 10 ~ 90%RH Storage: -60 ~ 70°C, 5 ~ 95%RH
Dimension (WxDxH)	150 x 140 x 86 mm; 5.9" x 5.5" x 3.4"

## FEATURES

- PS/2 ATX power supply suitable for 2U and larger chassis
- ORION-300DX/24 for +24V DC input, suitable for vehicle applications
- ORION-300DX/48 for -48V DC input, suitable for telecommunication applications
- Max. -12V output is 2A, suitable for CTI application

## ORDERING GUIDE

- **ORION-300DX/48**  
300W -48V DC input DC/DC PS/2 ATX power supply
- **ORION-300DX/24**  
300W 24V DC input DC/DC PS/2 ATX power supply

## DC OUTPUT

	+5V	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	30A	15A	15A	2A	2A	1.2A
Min. Load	2A	0.3A	0.5A	0A	0A	0A
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-D4201P 420W auto-range PS/2 ATX power supply with active PFC



## SPECIFICATION

Input Voltage	100V ~ 264V AC Auto-range
Input Frequency	47 ~ 63 Hz
Input Current	10A@115V, 5A@230V
Efficiency	> 70%
Holdup Time	17 ms. at full load
Over Voltage Protection	+3.3V: 4.5V; +5V: 7.0V; +12V: 15.6V
Over Circuit Protection	Shut down power supply when before 240VA of each output power (include +5V, +3.3V, +12V1, +12V2, and -12V)
Over Power/Load Protection	+15V, +12V, output power over 110% ~ 140%
MTBF	>100,000 hrs
EMI & Safety Approval	UL, TUV
Temperature/Humidity	Operating: 5 ~ 40°C, 20 ~ 85%RH Storage: -40 ~ 70°C, 5 ~ 95%RH
Dimension (WxDxH)	150 x 140 x 86 mm; 5.9" x 5.5" x 3.4"

## FEATURES

- PS/2 ATX power supply suitable for 4U chassis
- Support for Intel® Pentium® 4 processor
- Auto-range AC input
- Active PFC

## ORDERING GUIDE

- **ORION-D4201P**  
420W auto-range PS/2 ATX power supply with active PFC

## DC OUTPUT

	+5V	+3.3V	+12V	+5Vsb	-12V
Max. Load	30A	30A	30A	2A	0.3A
Min. Load	0.3A	0.5A	1A	0A	0A
Load Reg.	±5%	±5%	±5%	±5%	±10%
Cross Reg.	±5%	±5%	±6%	±10%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%
Ripple	±1.2%	±1%	±1%	±1.2%	±1%
Noise	±1.2%	±1%	±1%	±1.2%	±2%