

# 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%
Over Voltage Protection	+5V: 5.6 ~ 6.5V
MTBF	116,858 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	0 ~ 70°C (-20°C can start up) The maximum output power should be under the cabinet temperature 30°C
Dimension (WxDxH)	150x140x86 mm; 5.9"x5.5"x3.4"

## FEATURE

- PS/2 ATX power supply suitable for 2U and up 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

	+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-48T

-48V DC output power supply tester



## Specification

Input Voltage	90V ~ 132V, 180V ~ 264VAC selectable
Input Frequency	47 ~ 63 Hz
Efficiency	> 70%
Holdup Time	16 ms. at full load
Over Voltage Protection	-48V: -52 ~ 60V
Temperature/Humidity	Operating: 0 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	150x140x86 mm; 5.9"x5.5"x3.4"

## FEATURE

- PS/2 AC to DC converter suitable for 2U and up chassis
- Convert AC input to -48V output for telecommunication applications
- Test equipment for telecommunication applications

## ORDERING GUIDE

**ORION-48T**  
-48V DC output power supply tester

## DC Output

	-48
Max. Load	6.5W
Min. Load	3A
Max. Watt.	300W
Load Reg.	±1%
Line Reg.	±1%
Ripple	±1%
Noise	±1%