

ORION-300DX

-48V & 24V DC Input PS/2 Type DC/DC Converter with ATX Output

Specifications

♦ Input	Voltage	DC -40V ~ -72V for -48V input DC 19V ~ 32V for 24V input				
	Current	10A@-48V DC input 20A@24V DC input				
♦ DC Output		+5V	+3.3V	+12V	-5V	-12V
	Max. Load	30A	15A	15A	2A	2A
	Min. Load	2A	0A	0.1A	0A	0A
	Max. Watt.	150W		180W	10W	24W
	Load Reg.	+/-3%	+/-2%	+/-5%	+/-2%	+/-2%
	Cross Reg.	+/-5%	+/-5%	+/-5%	+/-10%	+/-10%
	Line Reg.	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
	Ripple	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Noise	+/-1%	+/-1%	+/-1%	+/-2%	+/-2%	
♦ Efficiency	> 65%					
♦ Over Voltage Protection	+5V: 5.6V ~ 6.5V					
♦ Over Load Protection	Total o/p 110% ~ 130%					
♦ MTBF	> 150,000 hrs					
♦ Temperature/Humidity	0 ~ 70°C (-20°C can start up) The maximum 300W output power should be under the cabinet temperature 30°C					
♦ Safety Approval	TUV, CSA, NRTL/C, UL					
♦ Dimension (WxDxH)	150x140x86 mm / 5.9"x5.5"x3.4"					



Features

- 48 or +24 V DC input, ATX output
- Provide 1.2A for stand-by +5V
- Provide +5V o/p to have OVP design
- 20°C can start up

Application

- Truck
- Telecommunication
- Remote control unit

Ordering Guide

- **ORION-300DX/48**
300W PS/2 type -48V DC/DC converter with ATX output
- **ORION-300DX/24**
300W PS/2 type 24V DC/DC converter with ATX output

BPS-250RDDX/48

-48V Input 450W PS/2 Type DC/DC Hot-Swap Redundant Power Supply



Features

- AT or ATX output as optional
- Provide OVP, OLP protection
- Provide 1A for +5V VSB

Application

- Telecommunication environment
- Remote control unit

Ordering Guide

- **BPS-250RDD/48**
-48V DC input PS/2 type hot-swap redundant PSU
- **BPS-250RDDX/48**
-48V DC input PS/2 type hot-swap ATX redundant PSU

Specifications

♦ Input	Voltage	DC -40 to -56V				
	Current	8A				
♦ DC Output		+5V	+3.3V	+12V	-5V	-12V
	Max. Load	30A	15A	14A	0.5A	0.5A
	Min. Load	3A	3A	1A	0A	0A
	Max. Watt.	220W		10W		
	Load Reg.	+/-5%	+/-5%	+/-5%	+/-10%	+/-10%
	Cross Reg.	+/-5%	+/-5%	+/-5%	+/-10%	+/-10%
	Line Reg.	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
	Ripple	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Noise	+/-1%	+/-1%	+/-1%	+/-2%	+/-2%	
♦ Efficiency	> 75% at full load					
♦ Holdup Time	16ms. at full load					
♦ Hi-Pot Test	1.5KVRMS, 60sec. from i/p to ground 3.0KVRMS, 60sec. from i/p to o/p					
♦ Over Voltage Protection	+5V: 5.6V ~ 6.5V/+12V: 12.6V ~ 15.6V					
♦ Over Load Protection	Total o/p 130% ~ 150%					
♦ MTBF	> 167,000 hrs					
♦ Safety Approval	UL, CUL, TUV, CE					
♦ Temperature/Humidity	Operating : 10 ~ 50°C, 20 ~ 90%RH Storage : -20 ~ 60°C, 5 ~ 95%RH					
♦ Dimension (WxDxH)	150x140x86 mm / 5.9"x5.5"x3.4" (RDD) 150x175x86 mm / 5.9"x6.9"x3.4" (RDDX)					