

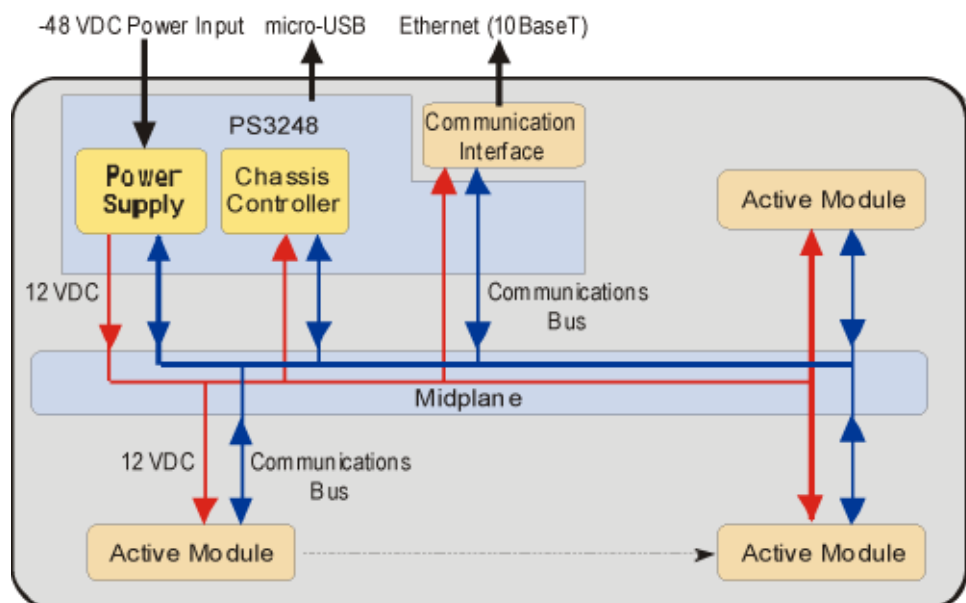
COMMSCOPE PS3248

300 W 48V DC OPTICAL PLATFORM POWER SUPPLY / CONTROLLER

The model PS3248 is a high performance, 300 Watt power supply and controller for the model CH3000 chassis. The PS3248 accepts DC input voltages from –36 to –60 volts, and outputs 12 volts DC to the power bus of the CH3000 mid-plane. Features include hot swap capability, redundant operation, overvoltage, short circuit protection, and over temperature protection.



- 300 Watts
- Two models available: Alphanumeric display (D version), Status LEDs (N version)
- –36 to –60 VDC input
- Over temperature protection
- Hot swappable
- Occupies two full-depth slots
- Monitoring and control of chassis-resident active modules via micro-USB
- Monitors and detects chassis platform alarms
- PS3248D model enables local monitoring and control without additional support equipment



SPECIFICATIONS

PHYSICAL		ENVIRONMENTAL	
Dimensions	13.0" D x 4.3" H x 2.0" W (3RU) (33 cm x 11 cm x 5 cm) (occupies 2 of 16 slots in 3RU CH3000 Chassis)	OPERATING TEMPERATURE RANGE	
		Operating temperature range	–20° to +65°C (–4° to 149°F)
		Storage temperature range	–40° to +85°C (–40° to 185°F)
Weight	PS3248N 3.0 lbs (1.4 kg) PS3248D 3.2 lbs (1.4 kg)	Humidity	5% to 95% non-condensing
ELECTRICAL		INDICATOR LEDS ON MODEL PS3148	
INPUT		Status LEDs: Green = OK Yellow = Non-service-affecting alarm Red = Service-affecting alarm Access Indicator LED: Blue = Lit during communication with chassis modules	
–48 VDC nom. (from –36 to –60 VDC)			
Over-current protection	16A/250V fuse		
OUTPUT			
Voltage	12.0 VDC		
Current	25 Amps. max		
Max power	300 W		
Efficiency	93% typical at 48 V input, 18-25 Amp load		
Protection	Over-voltage, over temperature and short circuit with auto reset		
REGULATORY		GERNERAL	
IEC 60950-1; EN 60950-1; UL 60950-1 CSA C22.2 No. 60950-1 EN 55024 EN 55022, Class B VCCI V-3 FCC Part 15, Subpart B, Class B ICES-003, Class B		Hot swappable Front panel micro-USB port	

ORDERING INFORMATION

P	S	3	2	4	8	*

48 VDC Power Supply

* = D (with Display) or
N (without Display)

Required Module Back Plate

B	P	–	P	2
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Back Plate is included with ordered module

