COMMSCOPE®

FEATURES

- 300 Watts
- Two models available:
  - Alphanumeric display (PS3006D)
  - Status LEDs (PS3006N)
- Continuous AC input voltage range from 100 to 240 V, 50/60 Hz
- High power factor, 0.95 at 120 V
- Long hold-up time
- Hot swappable
- Supports redundant power supplies
- Occupies two full-depth slots
- Monitoring and control of chassis-resident active modules via micro-USB
- Monitors and detects chassis platform alarms
- PS3006D allows local monitoring and control without additional hardware
- Over temperature protection

The PS3006 is a high performance, hot-swappable, 300 watt power supply and controller designed for the CH3000 chassis. The PS3006 accepts an AC input voltage in the continuous range from 100 to 240 Volts at 50 to 60 Hz and provides 12 Volts DC to the mid-plane bus of the CH3000 for distribution to chassis modules. The PS3006 manages the communication on the mid-plane bus, providing user access to the alarm, control, and monitoring features of the active modules in the chassis. For easy set-up of the CH3000, the PS3006 continuously polls and performs auto-discovery of all active modules in the chassis.

The PS3006 features power factor correction (PFC) for reduced energy costs, a minimum holdup time of 20 ms for glitch-less switch-over to stand-by power and a front panel micro-USB port. Additional features include over-voltage, short-circuit, and over-temperature protection.
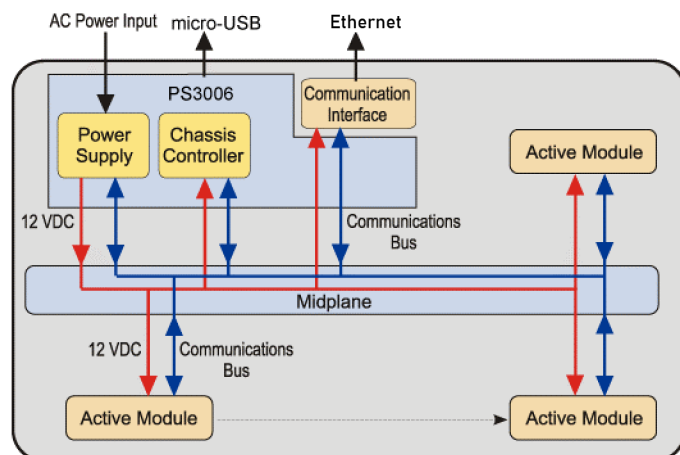
The PS3006 requires two full-depth slots in the CH3000 chassis and mates with the BP-P1 dynamic back plate provided with the unit.

The PS3006 is available in two configurations, the PS3006D with front panel fluorescent display and joystick and the PS3006N with front panel status LEDs only. The PS3006D with its display and joystick features allows the user direct access to the alarm, control, and monitoring features of the active modules in the chassis without additional equipment. These may also be accessed via the micro-USB port using CommScope's CMS software. The PS3006N provides the user with alarm status of the chassis only via the status LEDs. Alarm detail to the module level as well as control and monitoring features are accessed via the micro-USB port using CommScope's CMS software.
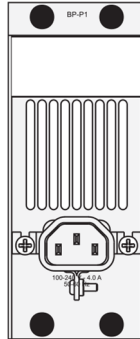
SPECIFICATIONS

Characteristics	Specification
Physical	
Dimensions	13.0" D x 4.3" H x 2.0" W (3RU) (33 cm x 11 cm x 5 cm)
Weight	3.1 lbs (1.4 kg)
Space Allocation	2 full-depth slots in CH3000 Chassis
Environmental	
Operating Temperature Range	-20° to +65°C (-4° to 149°F)
Storage Temperature Range	-40° to +85°C (-40° to +185°F)
Humidity	5% to 95% non-condensing
Electrical	
AC Input	
Rated Voltage	100 to 240 V, continuous
Operating Voltage	90 to 264 V
Frequency	50/60 Hz
Power Factor	0.95 min, at full load
Fuse	8A/250V SLO-BLO, 5 x 20 mm
DC Output	
Voltage	12 V_{DC} nominal
Current	25 Amps max (300 watts)
Efficiency	83% typical at 120V input, 18–25 Amp load
Protection	Over-voltage and short circuit
General	
	Hot Swappable
	Over-temperature with auto-reset
	Front panel micro-USB port
Indicator LEDs on model PS3006N	
Status LEDs	• Green = OK • Yellow = Non-service-affecting alarm • Red = Service-affecting alarm
Access Indicator LED	• Blue = Lit during communication with chassis modules
Back-Up P/S Indicator LED	• Green = Lit if second power supply is present within chassis
Regulatory Compliance	
	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

ORDERING INFORMATION

Model Name	Description
PS3006D	300 Watt AC Power Supply with Display, BP-P1 Back Plate, with Power Cord
PS3006N	300 Watt AC Power Supply without Display, BP-P1 Back Plate, with Power Cord
PS3006D-2	300 Watt AC Power Supply with Display, BP-P1 Back Plate, without Power Cord
PS3006N-2	300 Watt AC Power Supply without Display, BP-P1 Back Plate, without Power Cord

Required Module BP-P1 Back Plate

Back Plate is included with module.

RELATED PRODUCTS

Optical Transmitters	Optical Passives
Digital Return	CH3000 Chassis
BP Back Plates	Installation Services

Contact Customer Care for product information and sales:
- United States: 866-36-ARRIS
- International: +1-678-473-5656

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