Headend Optics Platform (CH3000)
PS3006
300 Watt AC Power Supply

FEATURES

- 300 Watts
- Two models available:
  - Alphanumeric display (PS3006D)
  - Status LEDs (PS3006N)
- Continuous AC input voltage range from 100 to 240 V, 50/60Hz
- High power factor, 0.95 at 120V
- 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

PRODUCT OVERVIEW

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 joy stick 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 ARRIS’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 ARRIS’s CMS software.

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Ask us about the complete Access Technologies Solutions portfolio:
SPECIFICATIONS

Characteristics | Specification
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**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°C to +65°C (–4° to 149°F)
Storage Temperature Range | –40°C to +85°C (–40°F 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 minimum, at full load
Fuse | 8A/250V SLO-BLO, 5 x 20 mm
DC Output:
Voltage | 12 Vdc nominal
Current | 25 Amps max. (300 watts)
Efficiency | 83% typical at 120V input, 15 - 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**

300W AC Power Supply

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

* = (with power cord) or 2 (without power cord)

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**Required Module Back Plate**

B P – P 1

Back Plate is included with ordered module

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**Customer Care**

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

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**Note:** Specifications are subject to change without notice.

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