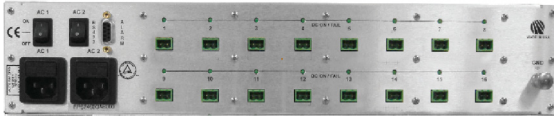


RPS Series

16-Port Redundant Power Supplies



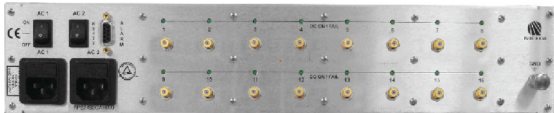
RPS



RPS Q Series



RPS B Series



RPS F Series

General Description:

The **RPS** series redundant power supplies provide a centralized power source for as many as 16 LNBS, line amplifiers, splitters or combiners. The unit is comprised of two separately fused power supply modules configured for nominal voltage of 18 or 24 VDC and has been designed for international use with an input voltage of 100-240 VAC, 50/60 Hz. The power supply modules are on individual drawers to provide easy replacement of a faulty module. Both supplies are monitored by a summary alarm which employs a serial RS-422 interface. On the rear panel, green LEDs indicate power status for each of the input ports. Each input port is capable of supplying up to 900 mA through an automatically resetting circuit limiter. Loads in excess of 900 mA will 'trip' the overload detection, shutting down the input port until the current demand drops below the reset threshold point.

Features & Benefits:

- Centralized redundant power source for up to 16 active devices including LNBS/LNAs
- Two hot-swappable (shared) PSUs on individual drawers
- Allows scheduled maintenance of receivers without interrupting LNB power
- Power supply status available by control port on panel
- Individual AC for each drawer
- Prevent revenue loss due to LNB power failure during feed
- DC output to LNBS is overload protected requiring no fuses

| Specifications*: | RPS 24/6.0 | RPS 18/4.5 |
|----------------------|---|---|
| Operating Frequency: | 270-2150 MHz | 270-2150 MHz |
| Insertion Loss: | 0.5 ± 0.5 dB | 0.5 ± 0.5 dB |
| Frequency Response: | ± 0.5 dB | ± 0.5 dB |
| Return Loss: | 14 dB | 14 dB |
| Output Voltage: | +24 VDC | +18 VDC |
| Output Current: | 900 mA on Any Single Port. Total of All Ports Not to Exceed 6.0 A | 900 mA on Any Single Port. Total of All Ports Not to Exceed 4.5 A |
| Power Requirements: | 100-240 VAC, 50/60 Hz | 100-240 VAC, 50/60 Hz |
| Power Consumption: | 50 W No Load 210 W Full Load | 46 W No Load 210 W Full Load |
| Input Connectors: | F-Type, BNC 75 Ω or 50 Ω, 2-pin Quick Connects | F-Type, BNC 75 Ω or 50 Ω, 2-pin Quick Connects |
| Output Connectors: | F-Type, BNC 75 Ω or 50 Ω, 2-pin | F-Type, BNC 75 Ω or 50 Ω, 2-pin |
| Mechanical: | 2 RU: 3.5" H x 19" W x 20" D | 2 RU: 3.5" H x 19" W x 20" D |
| Weight: | 17.8 lbs Gross (boxed), 13.8 lbs Net | 17.8 lbs Gross (boxed), 13.8 lbs Net |

*Specifications may vary with connector type. See individual specification sheet for specific performance data.