



MODULAR DESIGN - HIGH RELIABILITY

MXPS701 POWER SUPPLY with BATTERY MANAGER & REMOTE CONTROL

Spectra's MXPS701 series of intelligent power supplies are designed to meet the current and future requirements for sensitive electronic and communications systems and applications.

The MXPS701 features a high power output, battery charge, seamless battery revert and IP interface.

Lab grade low noise output with low conducted and radiated emissions.
Simpler integration which provides a lower total cost of ownership.

The MXPS701 series power supply is packaged in an ultra compact 1RU size chassis and suitable for prime site radio installations.

Operating modes and user programmable features can be remotely configured and controlled via the IP interface, such as alarm generation, email reporting, on-off control and diagnostic data. Software can be upgraded to cater for feature and system release updates.

The internal modular topology provides a simple and uncomplicated layout for ease of servicing.

PRODUCT SPEC SHEET

MXPS701 INTELLIGENT POWER SUPPLY SYSTEM

MXPS701 POWER SUPPLY FEATURES

- 1RU compact standard rack mount chassis case.
- IP Browser configuration and setup.
User programmable setup for functions and alarms etc.
- Very low noise output. Prevents transmitter spurious emissions caused by noise on the DC supply line.
- Ethernet. SNMP alarm traps, email on alarm and web diagnostics page.
- 13.8V DC output @ 44 Amps (can power 4x MX800 50W).
- Extra wide AC input voltage range. 85 to 264 VAC.
- Internal temperature monitoring data with temperature controlled fans.
- Uses 2x 350W power modules for 700 Watts capacity.
- 5 to 12 amps charge current (depends of battery terminal voltage), short circuit proof.
- Blade fuse and failed fuse detect.
- Reverse battery tolerant.
- Auto Battery charge and revert. Float method. No voltage break design.
- Low battery volts disconnect with 4 seconds delay.
- Remote controlled dry contact output.
- Remote reading of opto coupler input (for external monitoring, eg door alarm).
- Remote on/off of output.
- Voltage monitoring of PSUs' and Battery.
- Internal alarm buzzer programmable.
- Ultra-heavy duty rear screw terminals.
- AC via IEC socket with on/off switch at rear. Additional insulation and isolation on internal AC points.
- Front panel LEDs.
- Front panel power on switch.
- High grade power modules. Qualified user replaceable.
- Battery charge short circuit proof.
- MTBF >20 years.
- Dual power modules provide a level of redundancy.
- High grade Stainless steel chassis for ultra-long life.
- Wide operating temperature range. No de-rating to 50 C ambient temperature.
- Protection for overload, over voltage, over current, over temperature.
- Designed and manufactured by Spectra Engineering.

REAR PANEL INTERFACE

