



Redundant or non-redundant systems incorporating Lambda's standard power supplies

Many Standard Configurations

Power Up To 4000W

Monitoring Signals

Fault Notification

Power Factor Correction

Redundancy

Low MTTR

Lambda's Standard Power System and Standard Redundant Power System are ideal for test and all 19-inch mounted applications where critical power and uptime is paramount. They ensure projects can be taken from initial design through the prototype stage and into production faster, and at a lower cost than ever before.

Features that were once called "custom" such as redundancy, AC and DC monitoring, parallel current sharing, simultaneous fault notifications, front panel adjustability and covers are designed in—so there's never an NRE charge.

Standard System

Power Supplies	The heart of the Standard Power System is Lambda's broad selection of proven power supply modules which have set the standard for quality and reliability in the power supply industry for over 45 years. Single and dual output power supplies are available to 2000 watts, including Lambda's JWS, JFS, LDS, LMS, LND, LNS, LRS, LZS, RWS-A, & UltraFlex Series. The broad range provides finished systems with thousands of possible output combinations.
AC Input	85-132VAC or 170-265VAC input available.
Output Voltages	Wide range zero-up and/or nominal voltage adjustability depending on the power supplies selected.
Outputs	Up to 8 outputs per Standard Power System
Power	Up to 4000 watts of total power per assembly.
Power Factor Correction	Available with power factor correction.
Front Panel	The front panel features: 3 digit LED for output voltage and current. Output voltage adjustment pots. Audible fault alarm & fault LED's. Power supply ID by catalog part number, ratings and output number within the assembly.
DC Output Monitoring	DC output monitoring with user-set limits on the front panel for maximum voltage, minimum voltage, maximum current.
Fault Warnings	Fault warnings for: Output voltage outside user set window. Output current exceeds user set maximum value. AC fail early warning.
Fault Notification	Fault notification by: Open collector signal on rear panel D connector (must be reset to clear). Audible alarm for fault warning which can be disarmed on the front panel. Individual front panel fault LED's for each supply.
MTTR	Power supplies are loaded into the rack from the top without soldering providing low MTTR.
Dimensions	19"W x 5.25"H x 22"D (excluding front panel handles).
Covers	Rack adapter covers are standard.
Warranty	All assemblies are backed by Lambda's warranty of the power supplies.

Redundant System

Power Supplies	Lambda's LMPS Redundant Power system uses the ultra-reliable, high performance LZS, SE Series Power Supplies.
Output Power	Redundant output power @ 40°C is available in 1000W, 750W and 500W.
Output Voltage Range	4.75 to 5.7 VDC 1.40 to 15.0 VDC 19.00 to 28.4 VDC
AC Input Range	85-132VAC or 170-265VAC.
AC & DC Monitoring	Full functionality as detailed in Lambda's Standard Power System.
Front Panel	Front Panel The front panel of Lambda's Redundant Power System features: Power supply select & indicator Digital output displays Fault level adjust & indicators Audible fault alarm & fault LED's On/off double pole circuit breakers for each power supply Mode select & indicators
Operating Temperature Range	0°C to +71°C with suitable derating above +50°C.
Cooling	Integral DC ball bearing fan provided in each power supply.
Overvoltage, Overload and Thermal Protection	Fault notification by: Open collector signal on rear panel D connector (must be reset to clear).
Parallel Operation	Each model is capable of operating in current sharing parallel with a like unit via the P.O. rear plate terminal connection.
Remote Turn-on/Turn-off ...	Provision is made for digitally controlled remote turn-on/turn-off for each supply.
Parallel Operation	Each model is capable of operating in current sharing parallel with a like unit via the P.O. rear plate terminal connection.
Output Signals	AC good/fail, output good, inverter good are provided for each power supply via an isolated TTL compatible signal.
Dimensions	19" x 5.25"H x 22"D (excluding front panel handles).
DC Output Metering and Fault Monitoring	Provided for the individual power supply outputs as well as the redundant system output.
Waranty	Five year warranty includes labor as well as parts. Warranty applies to operation at full published specifications at the end of five years.