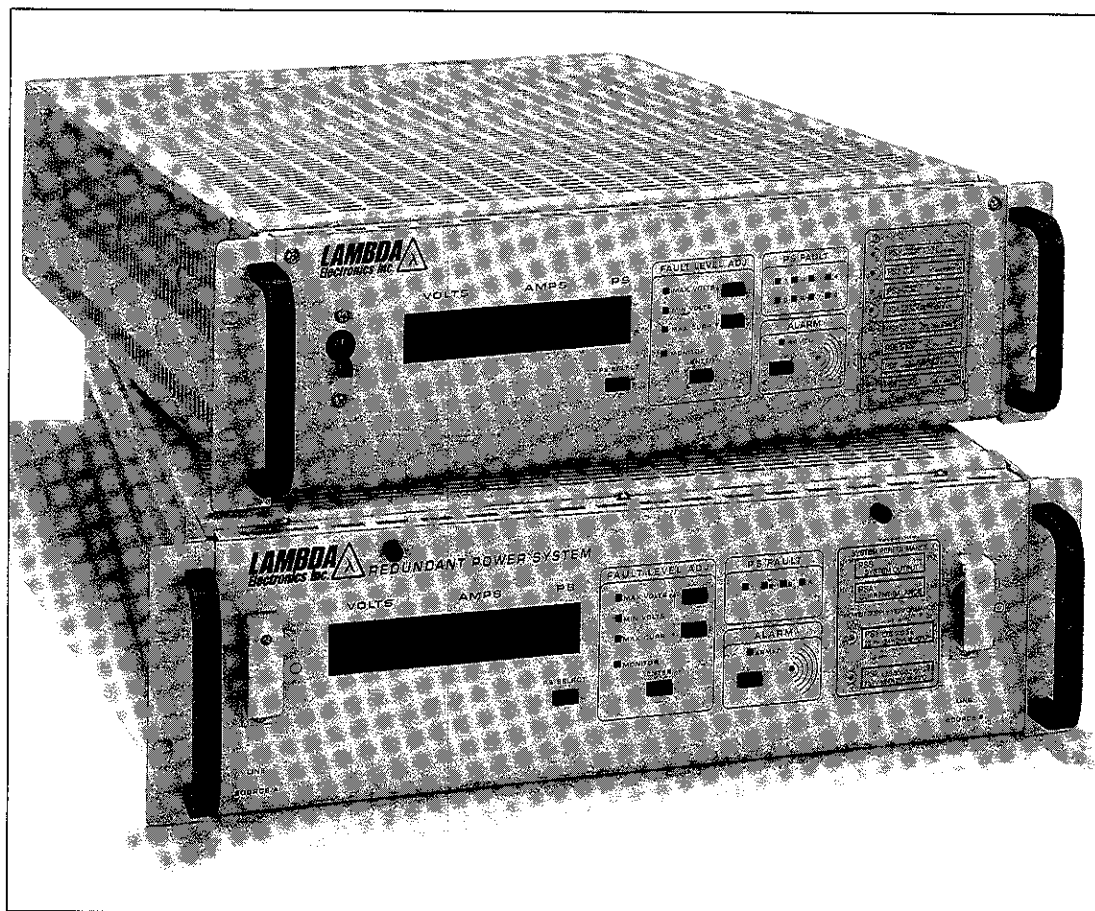


# LAMBDA'S LMPS POWER SYSTEMS



### High Quality, Low Cost Systems With or Without Redundancy

In the past, you had to compromise if you wanted full functionality, high quality, a broad selection, low price and fast delivery. With Lambda's Standard Power Systems this is no longer the case, because all these features are provided standard – without compromise. 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.

Lambda's Standard Power System and new Standard Redundant Power System are ideal for test and all 19-inch rack mounted applications where critical power and up-time 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.

Lambda's fully functional, high quality, low cost Standard Redundant Power Systems are available with 2 week delivery – or we pay the freight.

# LMPS ASSEMBLY SYSTEM FEATURES

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<b>Many Standard Configurations</b>	Lambda uses a large selection of standard power supplies to provide solutions for virtually every rack mounted power requirement.
<b>Power</b>	The LMPS Assembly System provides up to 4000W of total power with up to 8 outputs per system.
<b>Monitoring Signals</b>	Continuous monitoring of all outputs in the assembly simplifies system design and integration.
<b>Fault Notification</b>	The front panel of the LMPS Assembly System includes individual LED's for each output. A TTL compatible signal is available at the rear panel for fault notification.
<b>Power Factor Correction</b>	The LMPS Assembly System is now available with integral Power Factor Correction to meet the requirements in Europe.
<b>Redundancy</b>	Many critical systems require redundant power supplies to keep the system running in the event of a power supply problem. The LMPS Assembly is now available in redundant configuration to meet the needs of the most critical applications.
<b>Low MTTR</b>	The power supplies are mounted on trays from the top of the rack providing a simple and quick way to replace a module in the event service is necessary.
<b>Guarantee</b>	When you purchase an assembly from Lambda the entire assembly is backed by Lambda's industry leading guarantee.

# Part III – Test, Systems and Laboratory Power Supplies

## LMPS ASSEMBLY SYSTEM SPECIFICATIONS

### 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 from 19 watts to 1500 watts including Lambda's LDS, LFS, LMS, LND, LNS, LRS, LZS & RWS-A 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.

#### Covers

Rack adapter covers are standard.

#### Guarantee

All assemblies are backed by Lambda's guarantee.

#### To Order

Simply contact the Lambda Marketing department or your local Lambda Sales Engineer to discuss your specific requirements – we'll do the rest. You'll first receive a technical proposal and price quotation. Then within two weeks of confirming your order, Lambda will ship your Standard Power System.

### REDUNDANT SYSTEM

#### Power Supplies

Lambda's LMPS Redundant Power system uses the ultra-reliable, high performance LZS Series Power Supplies.

#### Output Power

Redundant output power @ 40°C is available in 1000W, 750W, 500W & 250W.

#### Output Voltage Range

- 4.75 to 5.7 VDC
- 11.40 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

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

Standard on all systems.

#### 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.

#### Output Signals

AC good/fail, output good, inverter good are provided for each power supply via an isolated TTL compatible signal.

#### DC Output Metering and Fault Monitoring

Provided for the individual power supply outputs as well as the redundant system output.

#### Guaranteed For 5 Years

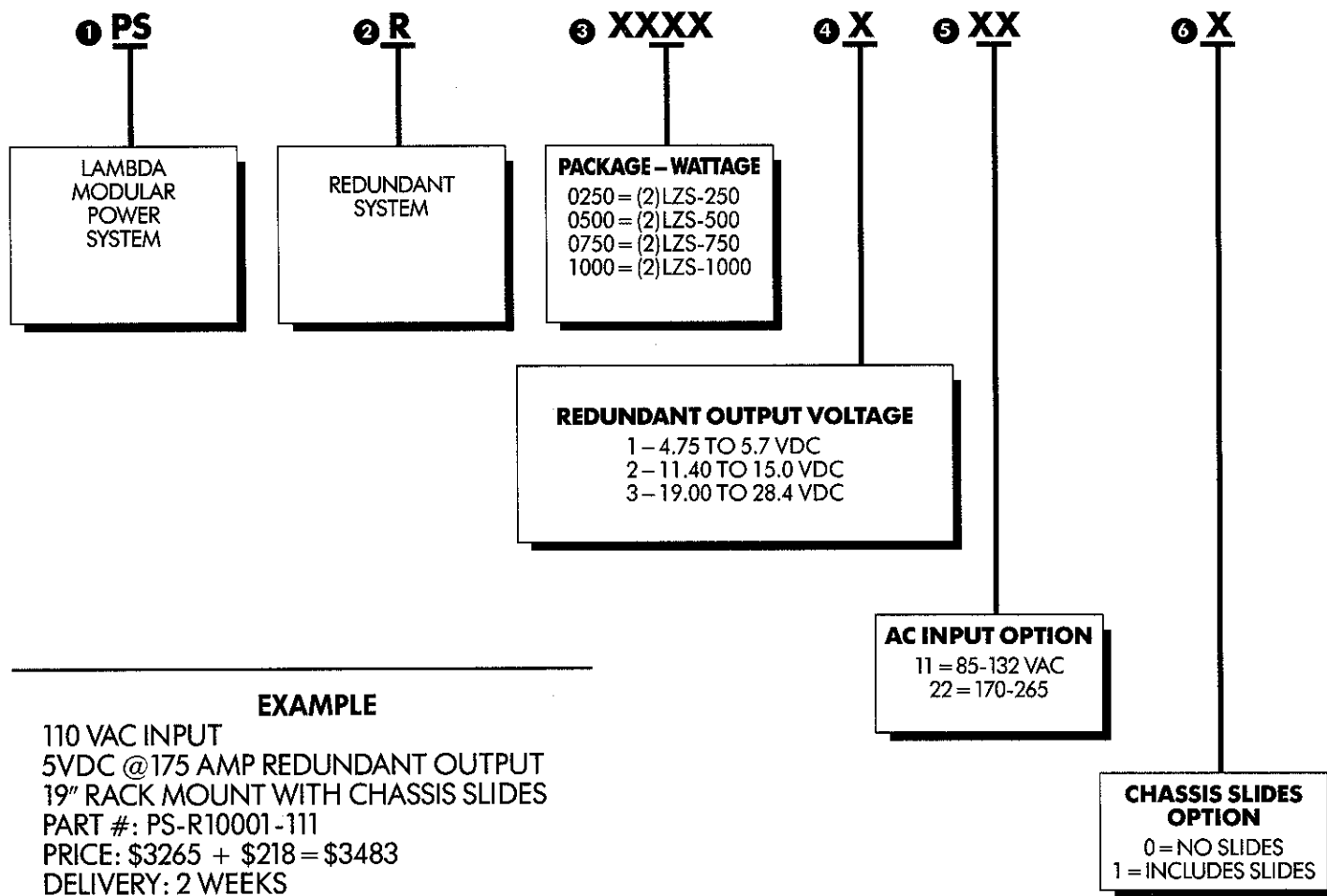
Five year guarantee includes labor as well as parts. Guarantee applies to operation at full published specifications at the end of five years.

#### To Order

Simply contact the Lambda Marketing Department or your local Lambda Sales Engineer to discuss your specific requirements – we'll do the rest. You'll first receive a technical proposal and price quotation. Then within two weeks of confirming your order, Lambda will ship your LMPS Redundant Power System.

# REDUNDANT LMPS POWER SYSTEM

## LAMBDA's LMPS PART NUMBERING SYSTEM



### EXAMPLE

110 VAC INPUT  
5VDC @175 AMP REDUNDANT OUTPUT  
19" RACK MOUNT WITH CHASSIS SLIDES  
PART #: PS-R10001-111  
PRICE: \$3265 + \$218 = \$3483  
DELIVERY: 2 WEEKS

ASSEMBLY NUMBER	REDUNDANT OUTPUT POWER (W)	PRICE	
		QTY 1-4	QTY 5-9
PS-RO250X-XXX	250	\$2045	\$1995
PS-RO500X-XXX	500	2705	2625
PS-RO750X-XXX	750	3055	2955
PS-R1000X-XXX	1000	3265	3155

\*NOTE: To add optional chassis slides add \$218 to the price.