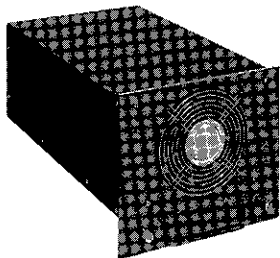


WLR2800 Series High power rectifiers



High Density

International Safety Approvals

EMC Directive 89/336/EEC Compliant

Single Phase AC Input

Power Factor Correction To EN6100-3-2

Hot Swap N+1 Capability

Integral Diagnostics

Front Panel Monitoring

Lambda's WLR2800 rectifier is a high density switch mode power supply designed primarily for the Telecommunications and Datacom markets where high quality and cost effective power solutions are required. The WLR2800 operates from a single phase supply and is available in 24V or 48V nominal outputs that can be fitted with a selection of input and output connectors. It is designed to meet many of the international approvals required in today's market.

As a rectifier, it also provides an ideal cost effective power factor corrected front end solution for distributed power and bulk power applications. The WLR2800 features comprehensive protection and alarm facilities and is available with a range of different options, including Hot Swap and N+1 redundancy.

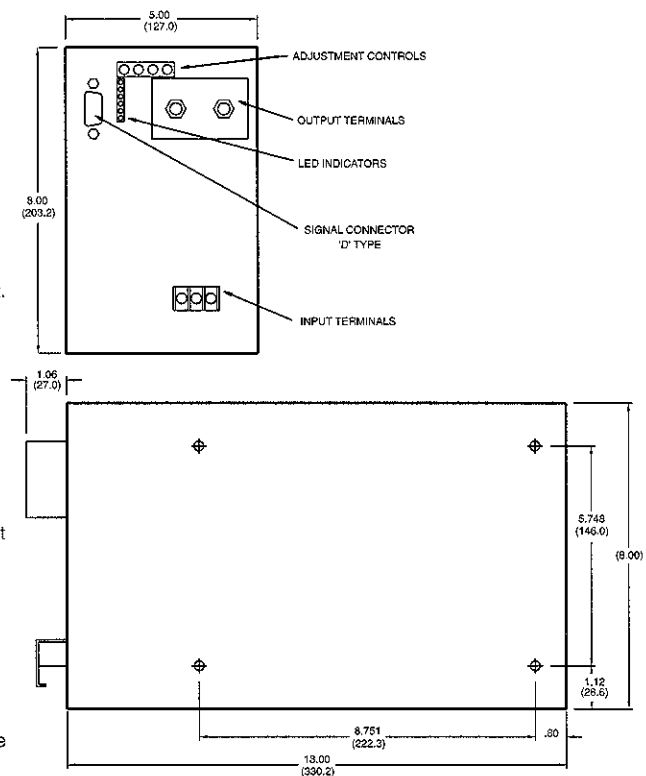
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EMC	EN55022 Level B and FCC Part 15 Subpart J Class B for line conducted radiated emissions, EN61000-3-2 for Harmonic Distortion, EN61000-4-4 and EN61000-4-5 for Conducted Immunity, EN61000-4-2 for Electrostatic Discharge Immunity, EN50140/EN50204 for Radiated Immunity.
AC Input	176-264VRMS, 46-63Hz.
Efficiency	>84%(50% load), >85%(full load).
Input Current	Sinusoidal to meet harmonic limitations of EN61000-3-2.
Power Factor Correction	>0.95 (10-100%).
Output Voltage Accuracy ...	48 VDC±0.1, 24VDC±0.1.
Line Regulation	0.025% from Vmin to Vmax input.
Load Regulation	0.25% from no load to full load.
Current Limit	Constant current down to approximately 60% Vnom then foldback down to short circuit.
Hold-up Time	User definable (Consult Technical Sales).
Overvoltage Protection	In parallel configurations only - latches off the unit which produced the overvoltage condition. The latched unit may be reset by strobing the AC input, standby switch or remote inhibit input.
Operating Temperature Range	-10°C to +55°C.
Storage Temperature	-40°C to +85°C.
Temperature Coefficient	±0.015%/°C.
Humidity	5% to 95% (non-condensing).
Isolation	Input - ground 2.25kV. Output - ground 2.25kV. Input - output 4.5kV.
Vibration and Shock	Designed to TR-NWT-000063
Output Current Monitor	An analog signal proportional to the load current being delivered by the unit. 48VDC unit = 0.1V/A, 24VDC unit = 0.05V/A. Accuracy from 10% to 100% I Nom is ±5%.
Led Status Indicator	Input Healthy LED (Optional), Output Healthy LED, Current Limit LED (Optional), Rectifier Failure LED, Overvoltage LED (Optional), Overtemperature LED (Optional), Fan Failure LED, Standby LED.
Overtemperature Protection .	A non-latching, overtemperature sensing circuit inhibits the rectifier output for the duration of the overtemperature condition.
Remote Sensing	Allows unit to sense voltage at load.
Alternate Input Source	Generator conforming to BS5514, Class A1 governing.
Safety Agency Approval	IEC950, EN60950, UL1950, CSA 22.2 950-95, EN41003, CE marked (Low Voltage Directive).
Remote Inhibit/Standby (Optional)	Allows shutdown of unit by the application of an external voltage.
Output Voltage Trim (Optional)	Permits output voltage to be programmed by an externally applied voltage.
Output Droop (Optional)	Increases output load regulation to aid sharing in multi-unit applications.
Output Healthy (Optional) ...	Identifies failed unit in parallel with other good units or battery.
Warranty	1 year.

OUTPUT	POWER (W)	MAX CURRENT AMPS AT 40°	MODEL
24V	2800	116.0	WLR2800/24
48V	2800	58.0	WLR2800/48



- NOTES:
1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS () ARE IN MM.
 2. 4x M6 TAPPED HOLES FOR CUSTOMER WTG. SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN .XXX
 3. CUSTOMER MUST PROVIDE CLEARANCE AROUND VENT HOLES TO ALLOW FOR AIR FLOW.