



TRI-MAG, Inc.
your POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
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REDUNDANT POWER SYSTEM

DZ1000-RD SERIES

1000 Watts/720 Watts N+1
HOT SWAPPABLE, CURRENT SHARING
SYSTEM



GENERAL SPECIFICATIONS

Input Voltage..... 90VAC to 264VAC
 Input Frequency..... 47Hz to 63Hz
 Power Factor.....>0.95
 Inrush Current (cold)..... Less than 30A at
 115VAC or 60A at 230VAC cold start, 25°C
 Operating Temperature.....0 to 70°C
 Storage Temperature..... -20°C to 85°C
 Cooling.....72 CFM
 Efficiency.....80-90% Typical
 Holdup Time.....>20ms
 Overload Protection.....Auto Recovery

Safety (Modules):

Designed in full compliance with.....UL 60950-1

EMI.....EN55022 “B”

Harmonics.....EN61000-3-2 class D

EMS.....EN61000-4-2,-3,-4,-5,-6,-11

DESCRIPTION

The DZ1000-RD Series uses Tri-Mag’s standard DZ300 series units in an hot swappable redundant power system. With an active current sharing controller that monitors and adjusts the modules current, the DZ1000-XXRD is configurable for a 300, 600, or 720 Watts redundant N+1 system for “Mission Critical” applications. The system comes in a 5V, 12V, 15V, 24.0V, or 48.0V single output configuration.

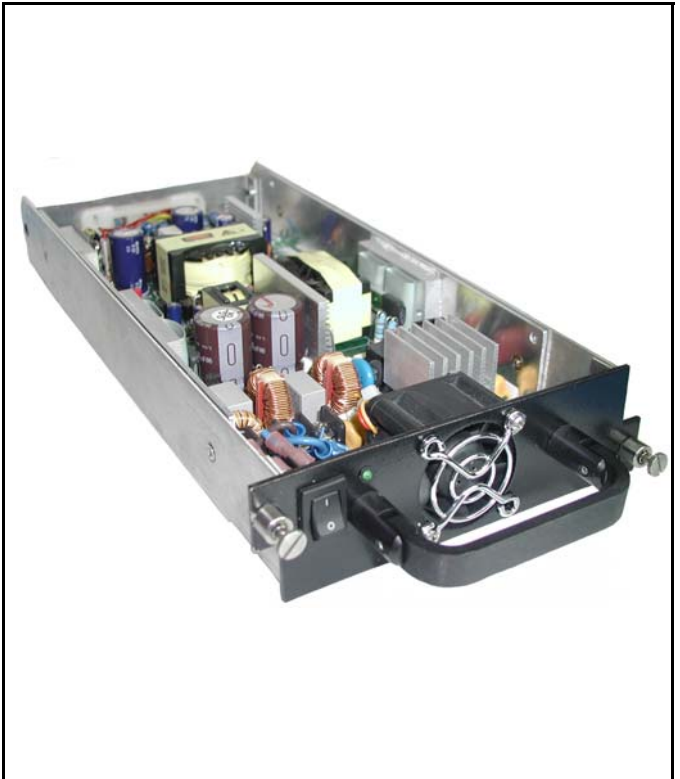
FEATURES

- EMI FCC Class B
- Power Factor Correction
- LED Indicator for Each Module
- Universal input 90VAC to 264VAC
- Redundant N+1 configuration
- Hot Swappable
- Uses Standard off the shelf Power Supplies
- Rackmount 1U height
- Easy Module replacements

APPLICATIONS

- “Mission Critical” application
- Telecommunication
- Industrial
- Battery charging system

INDIVIDUAL MODULES





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OUTPUT SPECIFICATIONS

Model	Watts	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
			Min.	Rate	Peak			Line	Load
DZ1000-7RD	1000	+12V	0	83.4	90	1%	150 mV	±1%	±2%
DZ1000-8RD	1000	+15V	0	66.7	72	1%	150 mV	±1%	±2%
DZ1000-9RD	1000	+24V	0	41.7	45	1%	200 mV	±1%	±1.5%
DZ1000-14RD	1000	+48V	0	20.8	22.5	1%	200 mV	±1%	±1.5%

MECHANICAL SPECIFICATIONS

