



REV: 090216

PRODUCT FEATURES:

- Hot-Swap / Redundant Rectifier Module
- Full Featured Status & Control Signals
 - Fan Fail
 - RS485 Serial Interface
 - AC OK & DC OK
 - Single Wire Current Share
- Single Phase/3 phase 380 AC Input with Active PFC
- Full Featured Status & Control Signals
- Front Panel LED Indicators
- World Wide Safety Approvals & Class A Emissions
- Universal AC Input (90V ~ 264V AC)



INPUT SPECIFICATIONS:

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|------------|--|
| VOLTAGE | Universal AC (90V ~ 264VAC) |
| FREQUENCY | 47~63 Hz |
| INRUSH | 20A@230VAC Input Range (Max Cold Start) |
| CURRENT | 15A (Max. Continuous) |
| PROTECTION | Single 25A Fuse / 250 VAC |
| LEAKAGE | 3.5mA Max @ 264 VAC |
| EFFICIENCY | 91% typical |
| HARMONICS | EN61000-3-2 Class D Compliant (>0.98 PF) |

OUTPUT SPECIFICATIONS:

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|-------------------------|---|
| VOLTAGE | 27VDC |
| CURRENT | 100A @ 220VAC De-rated to 40A @ 110VAC |
| MINIMUM LOAD | None |
| REGULATION | ±.5% Line / ±.5% Load / ±.5% Temp (max) |
| RIPPLE | ±100mv pk to pk max (20MHz) |
| SETPPOINT ACCURACY | ±5% |
| EXCURSION | ±5% Max for 25% Step Load |
| RECOVERY | 100ms max |
| OVER-CURRENT | 115~135% (Auto-Recovery) |
| OVER VOLTAGE PROTECTION | 59VDC ± 0.5V (Recycle input to reset) |

SAFETY STANDARDS:

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| UL / CUL | 60950-1 |
|----------|---------|

GENERAL SPECIFICATIONS:

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| OPERATING TEMPERATURE | -60°C ~ +65°C (see Derating Curve) |
| STORAGE TEMPERATURE | -60°C to +85°C |
| OPERATING HUMIDITY | 10~90% Non-Condensing |
| STORAGE HUMIDITY | 5~95% Non-Condensing |
| COOLING | Internal Thermally Controlled Ball Bearing Fan |
| VIBRATION | 10-55Hz, 2G, 3min period/60min each (3 axes) |
| SHOCK | 20G Peak Acceleration |
| RELIABILITY | >100k Hours (Full Load & 25°C Operation) |
| SIZE (INCHES) | 15.96" x 4.33" x 3.34" |

STATUS & CONTROL SPECIFICATIONS:

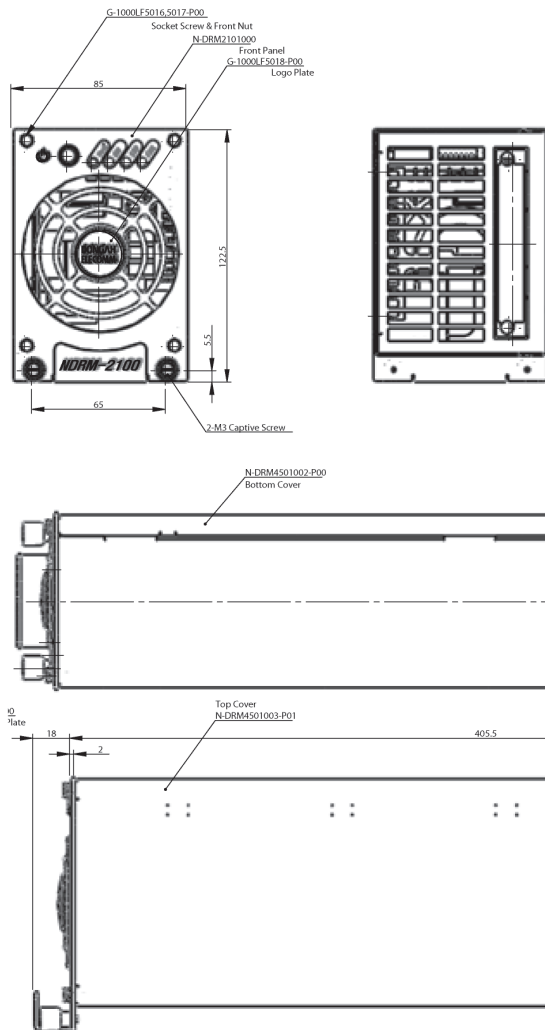
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|------------------|--|
| REMOTE SENSE | Compensates for up to 250mV Drop |
| REMOTE ON/OFF | High signal enables output VDC |
| AC PRESENT | Active High 500ms after AC is applied, Low 4ms before loss of DC regulation |
| DC OK | High Signal indicates Output is in regulation |
| CURRENT SHARE | Single Wire up to 8 units within ±5% accuracy |
| VOLTAGE TRIM | Remote Margin V1 ±5% minimum |
| FAN FAIL | High Signal indicates Fan Failure |
| SIGNAL INTERFACE | RS485 Status and Control Interface |
| TEMPERATURE | True-temp reporting (full range) |



EMISSIONS:

| | |
|-------------------------|---|
| EMISSIONS | EN55022 Level A (Conducted) |
| ELECTROSTATIC DISCHARGE | EN61000-4-2, 4kV Contact / 8kV Air |
| RADIATED SUSCEPTIBILITY | EN61000-4-3, 26-1000MHz, 10V/M, 80%AM |
| EFT/BURSTS | EN61000-4-4, 2kV |
| SURGES | EN61000-4-5, 2kV Earth, 1kV Line-Line |
| CONDUCTED IMMUNITY | EN61000-4-6, 0.15-800MHz, 10V 80% |
| VOLTAGE DIPS | EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms |
| VOLTAGE INTERRUPTIONS | EN61000-4-11, 95% reduction, 5ms |
| FLUCTUATIONS & FLICKER | EN61000-3-3 |

OUTLINE DRAWING:



TEMPERATURE DERATING CURVE:

