



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:

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:

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:

UL / CUL	60950-1
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GENERAL SPECIFICATIONS:

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:

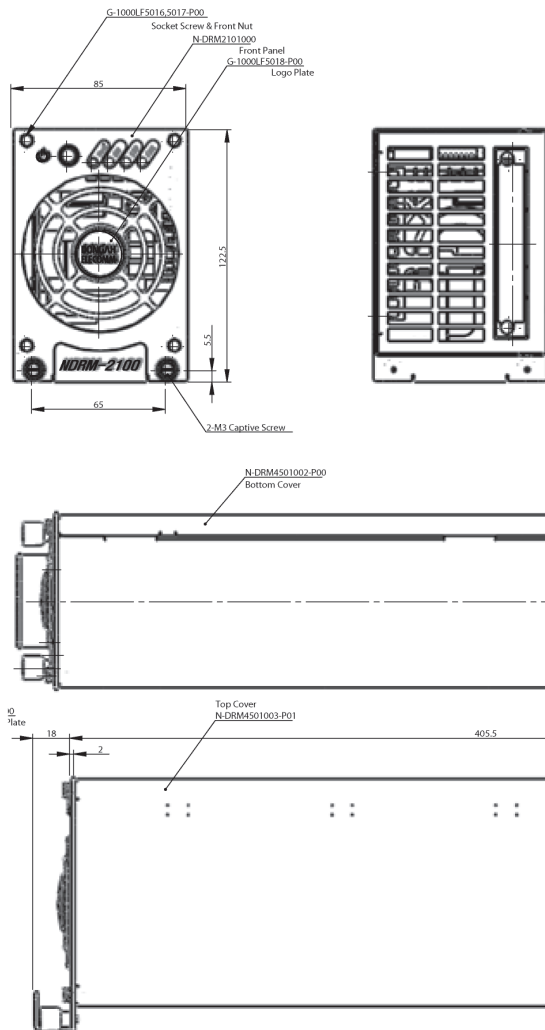
REMOTE SENSE	Compensates for up to 250mV Drop
REMOTE ON/OFF	High signal enables output VDC
AC PRESENT	Active High 500ms after AC is applied, Low 4ms before loss of DC regulation
DC OK	High Signal indicates Output is in regulation
CURRENT SHARE	Single Wire up to 8 units within ±5% accuracy
VOLTAGE TRIM	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:

