

REV: 12072011



PRODUCT FEATURES:

- 4 Bay / 400 Amp Power Shelf
- Dual AC Inputs
- Dual 200A Outputs (full redundant shelf)
- N + 1 Redundant Rectifier Modules
- Includes up to 4 NDRM-2100 Rectifier Modules
- Active Current Sharing between Rectifiers
- Adjustable and Programmable Output Voltage
- Programmable Overvoltage Protection per Module
- The IRC Controller features:
 - RS232 Status & Control Interface
 - Dry Alarm Relay Contacts
 - Voltage, Current, and Alarm Monitoring
 - LED Front Panel Display
- Safety Certifications Pending



INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90 ~ 264 VAC)
FREQUENCY	47-63Hz
INRUSH	20A @ 230 VAC (Max Cold Start) per module
CURRENT	15A @ 230 VAC (Max. Continuous) per module
PROTECTION	25A Fuse / 250 VAC Rated, per module
LEAKAGE	< 3.5mA Max @ 264 VAC
EFFICIENCY	> 91% Minimum, per module
HARMONICS	EN61000-3-2 Class D Compliant (>98 PF)

OUTPUT SPECIFICATIONS:

VOLTAGE	27VDC, typical
ADJUSTMENT RANGE	(22VDC ~ 28VDC)
CURRENT	400A @ 230VAC; 200A @ 115VAC
LINE REGULATION	±.5% max, over entire input range
LOAD REGULATION	±.5% max
TEMPERATURE REGULATION	±.1% max
RIPPLE	±100mV p-p, max
SETPOINT ACCURACY	±.5%
EXCURSION	±5% max, 25% Step Load
RECOVERY	100ms max
OVERCURRENT	115-135% (Auto-Recovery)
OVERVOLTAGE PROTECTION	29VDC Programmable per rectifier (Recycle input to reset)

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0°C ~ +50°C
STORAGE TEMPERATURE	-40°C ~ +85°C
OPERATING HUMIDITY	10% ~ 95% RH (Non-Condensing)
STORAGE HUMIDITY	5% ~ 95% RH (Non-Condensing)
COOLING	Forced Air, Internal Fan(s) w/ Intelligent Fan Control
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100000 Hours Full Load 25°C
SIZE (INCHES)	19" x 17.79" x 5.31" (W x L x H)

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

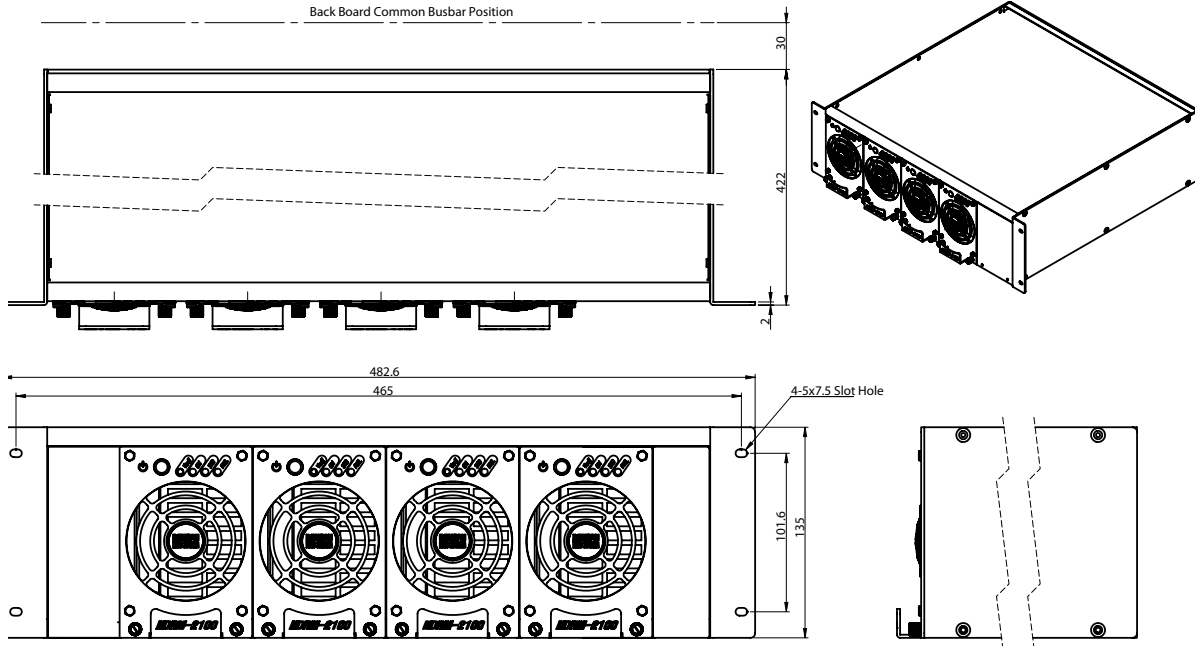
STATUS & CONTROL SPECIFICATIONS:

ON	Green LED on Rectifier (Vout within Spec)
STB	Yellow LED on Rectifier (In Standby Mode)
FAIL	Red LED on Rectifier (Module Failure)
AC PRESENT	Via Serial Interface & Green LED
REMOTE ON/OFF	Via Serial Interface
RS232 SERIAL BUS	See detailed specification for all functions
CURRENT SHARE	Single Wire Parallel up to 4 units (±10% accuracy)
FAN FAIL	Initiates Red LED and Remote Alarm

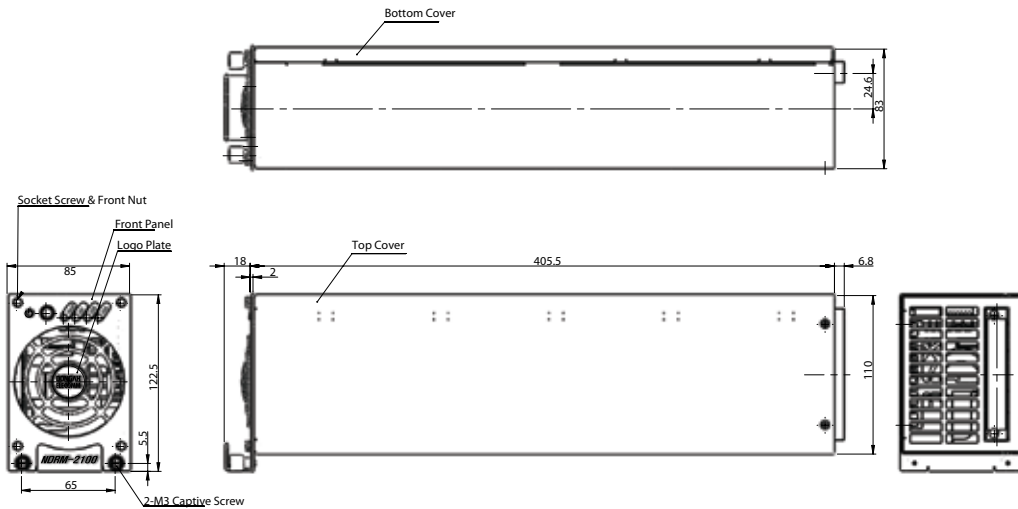


OUTLINE DRAWING:

FLEX-2600 POWER SHELF PACKAGE:



NDRM-2100 POWER MODULE PACKAGE:



HOT-SWAP / REDUNDANT POWER SHELF