

NCRM-75 Series

the
POWER
you need

REV: 081125



PRODUCT FEATURES:

- 2025 Watt Hot-Swap / Redundant Rectifier Module
- Single Wire Current Share
- Full Featured Status & Control Signals
- Front Panel LED Indicators
- World Wide Safety Approvals & Class A Emissions
- Works with the ARS24-150 Power Shelf
- Works with the ARSC System Controller
- Safety Certifications Pending, for Full Product Family



INPUT SPECIFICATIONS:

VOLTAGE	220V AC $\pm 10\%$
FREQUENCY	47-63Hz
INRUSH	20A@230VAC Input Range (Max Cold Start)
CURRENT	15A (Max. Continuous)
PROTECTION	Single 25A Fuse / 250 VAC
LEAKAGE	750uA Max @ 264 VAC
EFFICIENCY	91% typical
HARMONICS	EN61000-3-2 Class D Compliant (>0.98 PF)

OUTPUT SPECIFICATIONS:

OUTPUT	+27 VDC / 75 Amps
ADJUSTMENT RANGE	23V to 29V DC
MINIMUM LOAD	None
LINE REGULATION	$\pm .5\%$ Max over entire input range
LOAD REGULATION	$\pm .5\%$ maximum
RIPPLE	$< 200\text{mV}$ pk - pk (20MHz BW)
SETPOINT ACCURACY	$\pm .5\%$
OVER CURRENT	115-135% (Auto-Recovery)
OVER VOLTAGE PROTECTION	29V DC (recycle input to reset)

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
DC OK	Active High DC Output is on and within regulation
CURRENT SHARE	Single Wire Parallel ≤ 3 units ($\pm 10\%$ accuracy)

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	$-40^{\circ} \sim 65^{\circ}\text{C}$
STORAGE TEMPERATURE	$-40 \sim +85^{\circ}\text{C}$
COOLING	Internal Thermally Controlled Ball Bearing Fan
HUMIDITY	5-95% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	$> 100\text{k}$ Hours (Full Load & 25°C Operation)
SIZE	2.16" x 15.96" x 4.82" (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 & 500r
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS:

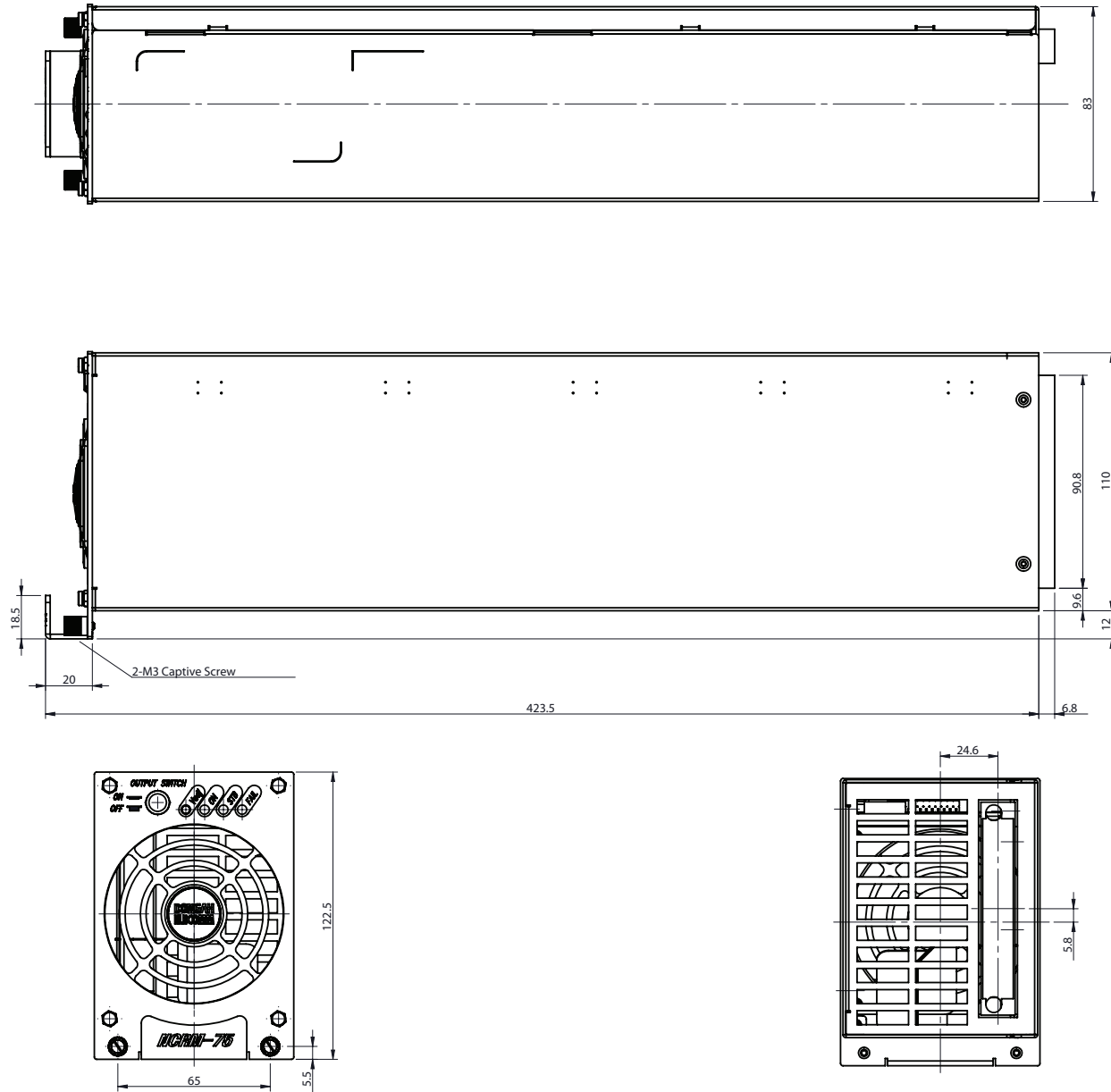
UL CSA EN	60950-1
CE MARK	Low Voltage Directive



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OUTLINE DRAWING:



HOT-SWAP / REDUNDANT RECTIFIER MODULE

