



REV: 12072011

ITE / EMBEDDED POWER SUPPLY

PRODUCT FEATURES:

- 19" Power Shelf with DC Distribution and Battery Management Circuitry
- Efficiency is $\geq 88\%$ @ 220Vac, full load
- N + 1 Redundant Rectifier Modules
- Hot Swappable
- Full Featured Status and Alarm
- Serial Interface
- TCP/IP Interface
- Front Panel LCD Indicator



INPUT SPECIFICATIONS:

VOLTAGE	220VAC $\pm 20\%$ (176 ~ 264VAC)
FREQUENCY	47-63Hz
INRUSH	20A @ 230V AC Input Range (Max Cold Start)
CURRENT	15A (Max. Continuous)
PROTECTION	Single 25A Fuse / 250 VAC
LEAKAGE	750uA Max @ 264 VAC
EFFICIENCY	$\geq 88\%$
HARMONICS	EN61000-3-2 Class D Compliant ($> .98PF$)

OUTPUT SPECIFICATIONS:

OUTPUT VOLTAGE	-48V DC / 100 Amps
ADJUSTMENT RANGE	(-40 ~ -58VDC Range)
LINE REGULATION	$\pm 5\%$ Max over entire input range
LOAD REGULATION	$\pm 5\%$ maximum
RIPPLE	200mVp-p, max (20MHz BW)
SETPOINT ACCURACY	$\pm 1\%$
EXCURSION	$\pm 5\%$ Max for 25% Step Load
RECOVERY	100ms max
OVER CURRENT	105-120% (Auto-Recovery)
OVER VOLTAGE PROTECTION	59.5V to 60VDC (recycle input to reset)

STATUS & CONTROL SPECIFICATIONS:

ON/OFF SWITCH	Turns on power on at each rectifier module
ON LED	Green indicates DC OK and within regulation
STB LED	Indicates AC applied Module off per module
VOLTAGE TRIM	Remote Margin V1 $\pm 5\%$ minimum per module

GENERAL SPECIFICATIONS:

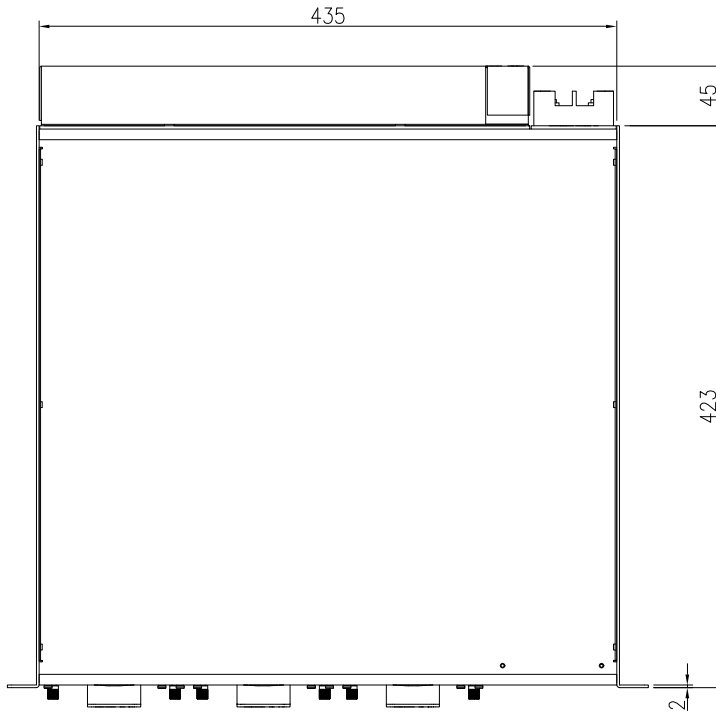
OPERATING TEMPERATURE	-40 ~ +65°C
STORAGE TEMPERATURE	-40 ~ +85°C
COOLING	Internal Thermally Controlled Ball-Bearing Fan
HUMIDITY	5-95% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	$> 100,000$ Hours (Per Mil STD 217)
SIZE (INCHES)	17.13" x 18.43" x 5.21" (WxLxH)

EMISSIONS:

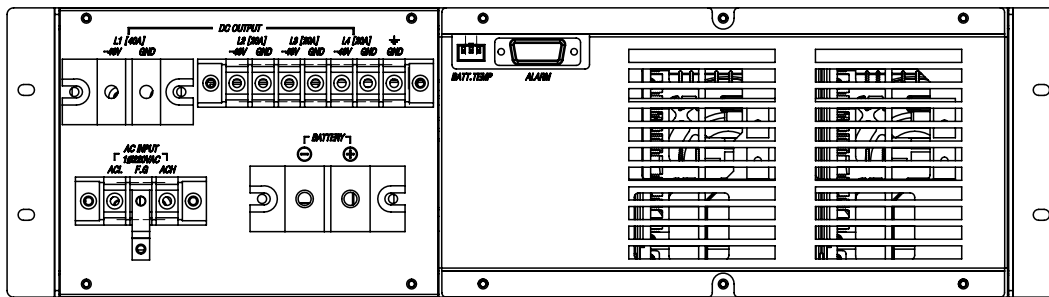
EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10,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

OUTLINE DRAWING:

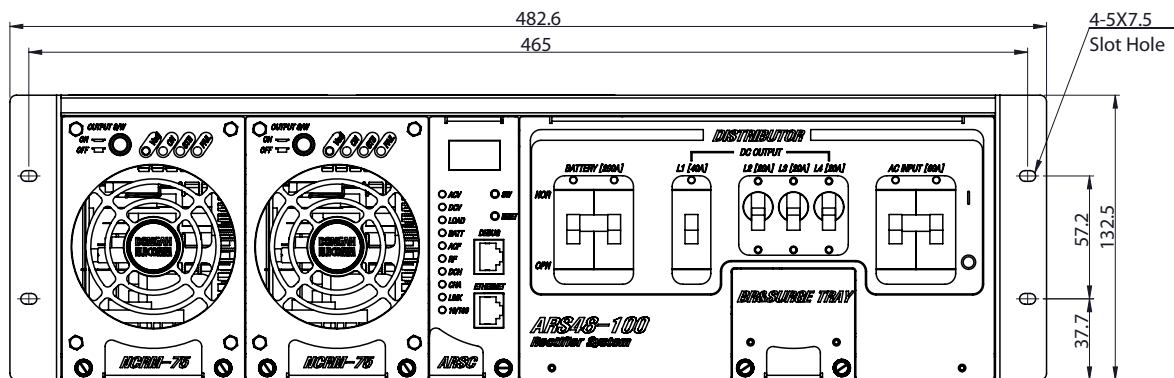
Top View



Rear View



Front View:



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