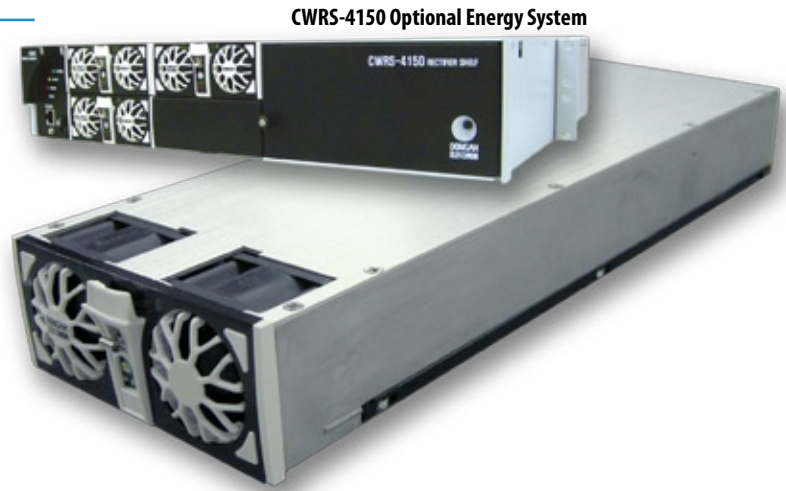


REV: 08162011



## PRODUCT FEATURES:

- 1RU Height, 2000 Watt Rectifier Module
- High Efficiency Operation (up to 92%)
- Universal AC Input
- Active PFC for EN61000-3-2 Class D Compliance
- Active Current-Sharing; Hot-Swappable
- Full Featured Status and Alarms
- Front Panel LED Indicator
- RS-485 Serial Interface (via rear connector)
- International Safety Approvals



## INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (85 ~ 264VAC)
FREQUENCY	47-63Hz
INRUSH	≤30A @ 220VACin (Cold Start)
CURRENT	10A @ 220VACin (max, continuous)
PROTECTION	Dual 15A Fuses / 250V Rated
LEAKAGE	≤3.5mA @ 264VACin
EFFICIENCY	92%
HARMONICS	EN61000-3-2 Class D Compliant (≥0.98 PF)

## OUTPUT SPECIFICATIONS:

OUTPUT VOLTAGE	-54Vdc (typical)
OUTPUT CURRENT	37A (max, continuous)
ADJUSTMENT RANGE	-43Vdc ~ -58Vdc
MINIMUM LOAD	0A
LINE REGULATION	±.5% max, across full input range
LOAD REGULATION	±.5% max, across full load range
RIPPLE	250mVp-p max (20MHz BW)
SETPOINT ACCURACY	±1%
EXCURSION	±3% (10-100% Step Load)
RECOVERY	100ms max
OVER CURRENT	103% ~ 120% (Auto-Recovery)
OVER VOLTAGE PROTECTION	59Vdc (±1V; recycle input to reset)

## STATUS & CONTROL SPECIFICATIONS:

STATUS LED	(Front Panel) Green=OK; Yellow=Minor Alarm
COMMUNICATION	RS-485 Serial to host controller

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-40°C to +70°C (derate 3.3%/°C above 55°C)
STORAGE TEMPERATURE	-55°C ~ +85°C
COOLING	2 Internal Intelligent Fans
HUMIDITY	10% ~ 90% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
MTBF	>328K hours @ 25°C (per Mil STD 217F)
SIZE (INCHES)	4.29" x 12.8" x 1.72" (W x L x H)

## EMISSIONS:

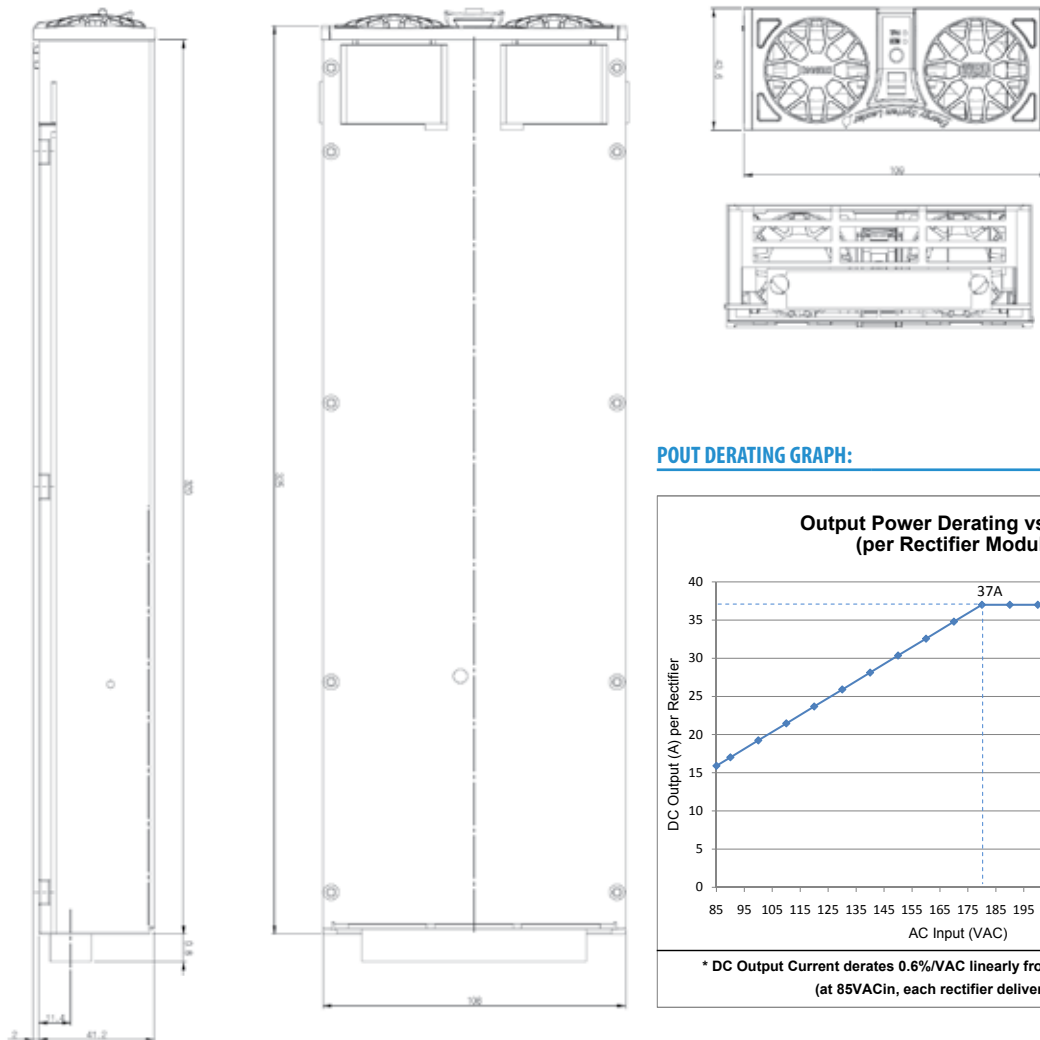
EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4KV Contact / 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26MHz-2000MHz, 10V/m, 80%AM
EFT / BURSTS	EN61000-4-4, 2KV
CONDUCTED IMMUNITY	EN61000-4-6, 150KHz-80MHz, 10Vrms, 80%AM
VOLTAGE DIPS	EN61000-4-10, 90% Dip & 10ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

## SAFETY STANDARDS:

UL / CUL	60950-1
CE MARK	Low Voltage Directive



**OUTLINE DRAWING:**



**POUT DERATING GRAPH:**

