



REV: 03042015

HOT-SWAP / REDUNDANT RECTIFIER MODULE

## PRODUCT FEATURES:

- Hot-Swap / Redundant Rectifier Module
- Optional Power Shelf featuring:
  - 4 Bays for up to 200 Amps Output
  - DC Distribution Panel
  - Low Voltage Disconnect
  - Battery Charge, Control and Temp Compensation
  - RS485 Status & Control Interface
- Single Phase AC Input with Active PFC
- Full Featured Status & Control Signals
- World Wide Safety Approvals & Class B Emissions



## INPUT SPECIFICATIONS:

VOLTAGE	Single Phase AC Input (176-264 VAC)
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	91% Typical
HARMONICS	EN61000-3-2 Class D Compliant (>99 PF)

## OUTPUT SPECIFICATIONS:

OUTPUT	Factory set to -54VDC
OUTPUT CURRENT	50A max
OUTPUT ADJUST	-40V to -58VDC
LINE REGULATION	±.5% Max over entire input range
LOAD REGULATION	±.5% maximum
TEMP REGULATION	±.5% maximum
RIPPLE	±.5% pk-k max (20MHz)
SETPOINT ACCURACY	±.5%

## STATUS & CONTROL SPECIFICATIONS:

ON OFF SWITCH	Shuts off module when depressed
ON LED	Green when output is within specification
STBY	Yellow when module has AC Power & Switch Off
FAIL	Red when there has been a module failure
COMMUNICATIONS	RS485 to Host Controller

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-40 ~ +65°C
STORAGE TEMPERATURE	-40° ~ +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	4.40" x 15.96" x 3.74"

## 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

## SAFETY STANDARDS:

UL / CUL	60950-1
TELECORDIA	GR-487-CORE section 3.35 / GR-63-CORE section 4.4
CE	Low Voltage Directive



OUTLINE DRAWING:

