



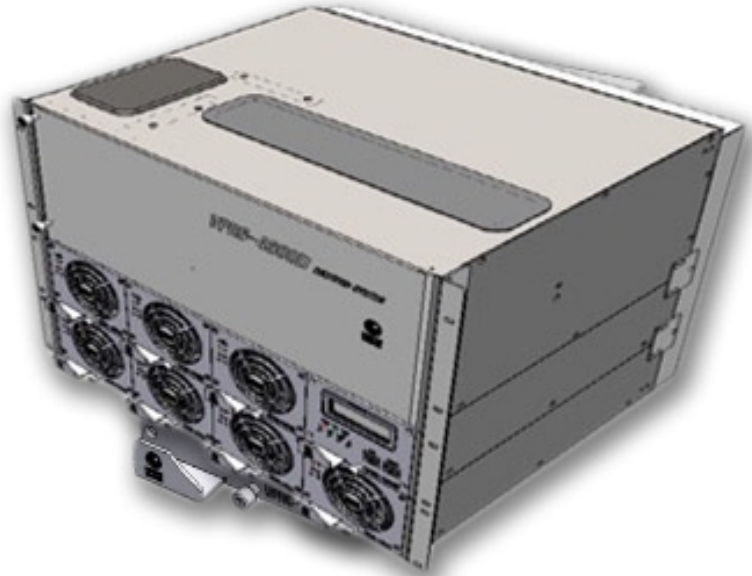
REV: 12082011

ITE / EMBEDDED POWER SUPPLY

-54.5V/350A Power Shelf Indoor Application

PRODUCT FEATURES:

- **Modular Design**
- **5 Parallel Rectifier Modules for a total of 350 Amps**
- **Battery Connection for Providing Battery Backup**
- **Low Voltage Disconnect for Battery Protection**
- **N + 1 Redundant Rectifiers**
- **Full Featured Status and Alarm**
- **RS232 Serial and Ethernet Interface**
- **SNMP Protocol**
- **Rectifier SRM5450 Rectifier Module**
- **AC & DC Distribution Panels Built In**
- **Safety Certifications Pending**



INPUT SPECIFICATIONS:

VOLTAGE	AC Input 220V ± 20% , 3 wire, 1Ø
FREQUENCY	47~63 Hz
INRUSH	20A @220VAC Full Load (Max Cold Start)/module
CURRENT	15A @ 220VAC (Max Continuous) / module
PROTECTION	25 A Fuse / 250V Rated / per module
LEAKAGE	.75mA @ 264VAC Max per Module
EFFICIENCY	93% typical @ 220VAC Full Load (48Vout)
HARMONICS	EN61000-3-2 Class D Compliant (>0.98PF)

OUTPUT SPECIFICATIONS:

OUTPUT VOLTAGE	-54.5V DC
OUTPUT CURRENT	350 A
LINE REGULATION	0.25%
LOAD REGULATION	0.25%
RIPPLE	100mV PK 20Mhz BW
SETPOINT ACCURACY	0.10%
OVER-CURRENT	101% to 110% automatic recovery
OV PROTECTION	>-59VDC (recycle input to reset)

SAFETY STANDARDS:

UL / cUL	60950-1
CE MARK	Low Voltage Directive
GR1089	Core section-4
GR1089	Core section-2
GR-63	Core section 4.4

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-20°C to +50°C
STORAGE TEMPERATURE	-40°C to +80°C
OPERATING HUMIDITY	10% ~ 95% (non-condensing)
STORAGE HUMIDITY	5% ~ 95% (non-condensing)
COOLING	Intelligent Fan Cooled Rectifier Modules
VIBRATION	10-55Hz, 2G, 3Min Period, 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100K Hours (per MIL STD 217F)
SIZE (INCHES)	19" x 15.75" x 13.97" (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
SURGES	EN61000-4-5, 2KV Earth, 1KV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 150KHz-80MHz, 10Vrms, 80%AM
VOLTAGE DIPS	EN61000-4-10, 95% Dip, 10ms / 30% Dip, 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% Reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

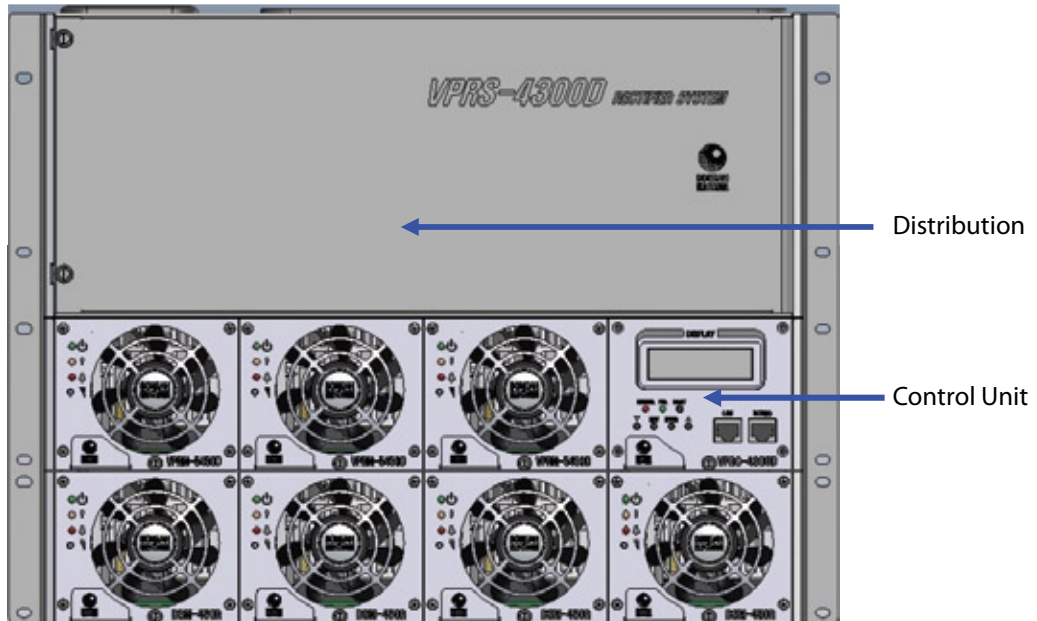
STATUS & CONTROL SPECIFICATIONS:

CONTROL SIGNALS	All referenced to Output GND terminals
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OUTLINE DRAWING:

Front View



Rectifier Module

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