

SR2600 Energy System

the
POWER
you need



REV: 06052012

HOT-SWAP / REDUNDANT POWER SHELF

PRODUCT FEATURES:

- 4 Rectifiers for a Total of 400A at 220VAC and 200A at 115VAC
- Single or Three-Phase AC Input
- Optional DC Distribution Panel
- Hot-Swap / N+1 Redundant with Active Current Sharing
- Full Featured Status and Alarm with RS422 Interface
- Front Panel LED Indicators
- World Wide Safety Approval
- Optional DC-DC Converter
- Works with NDRM 2100 Rectifier Modules
- Safety Certifications Pending for Full Product Family



INPUT SPECIFICATIONS:

VOLTAGE	1Ø AC (90~264VAC) or 3Ø (304-456VAC)
FREQUENCY	47~63Hz
INRUSH	20A @ 230VAC Input Range (Max) per module
CURRENT	15A @ 230VAC per module
PROTECTION	25A/250VAC Fuse per module
LEAKAGE	3.5mA Max @ 264VAC per module
EFFICIENCY	87% @ 50%~100% load
HARMONICS	EN61000-3-2 Class D Compliant (>.98PF)

OUTPUT SPECIFICATIONS:

VOLTAGE	27V DC
CURRENT	400 Amps (100 Amps per module) High Line AC
SETPOINT ACCURACY	±.5%
LINE REGULATION	±.5% Max over entire input range
LOAD REGULATION	±.5% maximum
TEMP REGULATION	±.5% maximum
RIPPLE	100mV pk-k max, (20MHz)
OVER CURRENT	105-130% (Auto-Recovery)
OVER VOLTAGE PROTECTION	29V DC ±.5V (Latching, recycle input to reset)

STATUS & CONTROL SPECIFICATIONS:

AC FAIL	≤175 / ≥265 VAC, Controller Notified & LED red
DC HIGH	If DC≥29V Controller Notified & RF LED red
DC LOW	<23.8 VDC Controller Notified & RF LED red
OVER CURRENT	If Output current > OC value RF LED turns RED
BATT RELAY OPEN	Batt relay open or Batt fuse fails RF LED red
BATTERY CELL FAIL	Controller Notified & RF LED red
BATT LOW VOLTAGE	Controller Notified & DHC LED red
BATTERY TEMP FAIL	Controller Notified & RF LED red
SURGE PROTECT FAIL	Controller Notified & RF LED red
NDRM-2100 FAIL	Controller Notified & RF LED red

GENERAL SPECIFICATIONS:

OPERATING TEMP	-0 ~ 50°C Full Load
STORAGE TEMP	-40° ~ +85°C
OPERATING HUMIDITY	10~90% Non-Condensing
STORAGE HUMIDITY	5~95% Non-Condensing
COOLING	Forced Air Internal Fans per modules
VIBRATION	10-55Hz, 2G, 3min period / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100k Hours (Full Load & 25°C Operation)
SIZE	482.6(W) x 422(D) x 135(H) / 19" x 16.6" x 5.31"

EMISSIONS:

EMISSIONS	FCC Part15 Subpart J Class A
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	FCC Part15 Subpart B Class A
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 INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS:

UL / CUL 60950-1	60950-1
CE MARK	Low Voltage Directive



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