

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:

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|------------|---|
| 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:

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|--------------------|--|
| 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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