



PRODUCT FEATURES:

- **6 Bay / 600 Amp Power Shelf**
- **Battery Charging and Monitoring Circuits**
- **Low Voltage Disconnect for Battery Protection**
- **Hot-Swap / N + 1 Redundant Operation**
- **Full Featured Status and Alarm**
- **RS485 Interface**
- **Front Panel LED Indicators**
- **Designed for Worldwide Safety Approvals**
- **Mates with CRM100V Rectifier Modules**
- **Works with CRC-600V Control Module**
- **Safety Certifications Pending, for Full Product Family**

INPUT SPECIFICATIONS:

| | |
|------------|---|
| VOLTAGE | 1Ø (90V to 290V AC) or 3Ø (156VAC ~ 500VAC) |
| FREQUENCY | 47-63Hz |
| INRUSH | 50A Pk (Max Cold Start) |
| CURRENT | 14 A @ 230 VAC (Max. Continuous) per Module |
| LEAKAGE | < 750uA Max @ 264 VAC |
| EFFICIENCY | 87% (typical) |
| HARMONICS | EN61000-3-2 Class D Compliant (>98 PF) |

OUTPUT SPECIFICATIONS:

| | |
|-------------------------|--|
| VOLTAGE / CURRENT | 27 VDC / 600 Amps |
| ADJUSTMENT RANGE | ±10% (Minimum) |
| LINE REGULATION | ±.5% Max over entire input range |
| LOAD REGULATION | ±.5% maximum |
| TEMP REGULATION | ±.5% maximum |
| RIPPLE | ±% or 50mV p-p max, (20MHz BW) |
| SETPOINT ACCURACY | ±1% |
| OVER CURRENT | 105-120% (Auto-Recovery) |
| OVER VOLTAGE PROTECTION | 105-115% (recycle input to reset) per Module |
| SHORT CIRCUIT | Auto-Recovery |

STATUS & CONTROL SPECIFICATIONS:

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|---------------|---|
| REMOTE SENSE | Compensates for up to 250mV drop |
| AC OK | Active High 500ms after AC Input is applied |
| DC OK | Active High indicates Output is within regulation |
| CURRENT SHARE | Single Wire Parallel up to 5 units within ±10% |
| VOLTAGE TRIM | Remote Margin V1 ±5% minimum |
| FAN FAIL | Active High Indicates Fan Failure |
| LVD | Disconnect Batteries if Battery Voltage <42V DC |



GENERAL SPECIFICATIONS:

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|-----------------------|------------------------------|
| OPERATING TEMPERATURE | 0°C ~ 50°C |
| STORAGE TEMPERATURE | -40°C ~ 90°C |
| OPERATING HUMIDITY | 5% ~ 90% RH (non-condensing) |
| STORAGE HUMIDITY | 5% ~ 90% RH (non-condensing) |
| COOLING | Forced Air Cooling |
| SIZE (INCHES) | 23.6" x 23.6" x 32.3" |

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 | Designed to meet 60950-1 |
| CE MARK | Designed to meet Low Voltage Directive |
| CB | Designed to meet EN/IEC 60950-1 |



OUTLINE DRAWING:

