REV: 09232011

INPUT SPECIFICATIONS:
- VOLTAGE: 3Ø 176V to 286 VAC
- FREQUENCY: 47-63Hz
- INRUSH: < 100A (peak) @ 230VAC
- CURRENT: 54A @ 230VAC Full Load per module
- EFFICIENCY: 88% typical
- HARMONICS: EN61000-3-2 Class D Compliant (>99% PF)
- LEAKAGE CURRENT: < 100mA per module

OUTPUT SPECIFICATIONS:
- ADJUSTMENT RANGE: -54VDC to -55VDC
- MINIMUM LOAD: 140 Amps
- LINE REGULATION: ± 1% max, over entire input range
- LOAD REGULATION: ± 1% max
- TEMP REGULATION: ± 1% max
- RIPPLE: 250mVp-p max
- SETPOINT ACCURACY: ± 5%
- EXCURSION: ± 5% max, 90% Step Load
- RECOVERY: 500us max
- OVER CURRENT: 105–120% (Auto-Recovery)
- OVER VOLTAGE PROTECTION: 106–108% (Recycle input to reset)

SAFETY STANDARDS:
- UL / CUL: 60550-1 (Designed to Meet)
- CB: EN60550-1 (Designed to Meet)
- CE MARK: Low Voltage Directive (Designed to Meet)

GENERAL SPECIFICATIONS:
- OPERATING TEMPERATURE: -20°C ~ +50°C
- STORAGE TEMPERATURE: -40°C ~ +80°C
- OPERATING HUMIDITY: 10% ~ 90% RH (non-condensing)
- STORAGE HUMIDITY: 5% ~ 95% RH (non-condensing)
- NOISE: ≤ 65dBA
- SIZE (INCHES): 70.866” x 29.52” x 27.55”

EMISSIONS:
- 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

STATUS & CONTROL SPECIFICATIONS:
- RS485: Serial Alarm & Status Interface
- AC FAIL: Alarm Active when 175<AC>290
- OUTPUT LOW VOLTAGE: Alarm Active when output < 43V ± .5
- BATTERY LOW VOLTAGE: Alarm Active when battery voltage < 44V ± .2
- BATTERY DISCONNECT: Alarm Active when battery voltage < 42V ± .2
- BATTERY CELL CHECK: Operated by command via panel or RS232
- RECTIFIER FAIL: When any Rectifier fails to operate properly
- FAN FAIL: When internal fans fail to operate

PRODUCT FEATURES:
- 7 Bay / 1400 Amp Power Shelf
- Hot Swap / N + 1 Redundant Rectifiers
- Active Current Sharing Between Rectifiers
- Full Featured Status and Alarms
- Full Featured Battery Charger & Monitor
- RS485 Serial Interface
- Front Panel LED Indicators
- DC Distribution Panel
- Designed for Worldwide Safety Approvals
- Works with DRM-4200 Rectifier Modules
- Works with CPRC Control Module

SAFETY STANDARDS:
- UL / CUL: 60550-1 (Designed to Meet)
- CB: EN60550-1 (Designed to Meet)
- CE MARK: Low Voltage Directive (Designed to Meet)
OUTLINE DRAWING:

CPIS-3K/6K

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RECTIFIER ENERGY SYSTEM
This rectifier has been designed with 23 inch rack, and fixed with anchor bolts. The installation place should be clean and dry, and provide minimum of 50cm of space at the front and rear side of the rack. Front side of the rack should be easy to ventilate air. All other parts than rectifier modules have been fully installed. (Options are not the case.)