Outdoor Power Cabinet with Battery Shelf 27VDC / 75A Output

PRODUCT FEATURES:
- Modular Design
- 3 Rectifier Modules for a Total of 75 Amps
- Battery Charger and Monitor
- Low Voltage Disconnect for Battery Protection
- N + 1 Rectifier Redundancy
- Full Featured Status and Alarm
- Dry Alarm Contacts
- RS485 Serial Interface
- Front Panel LED Indicator
- Rectifier LPM-225 Rectifier Module
- Controller LPS-CL Control Module
- Safety Certifications Pending

INPUT SPECIFICATIONS:
- VOLTAGE 1Ø 220 VAC Input (±20%)
- FREQUENCY 47-63Hz
- INRUSH 50A @ 230VAC Input Range (Max Cold Start) per module
- CURRENT 5 @ 230 VAC (Max Continuous) per module
- PROTECTION Single 10A Fuse / 250 VAC per module
- LEAKAGE < 30mA Max @ 264 VAC per module
- EFFICIENCY 87%
- HARMONICS EN61000-3-2 Class D Compliant (>95 PF)

OUTPUT SPECIFICATIONS:
- ADJUSTMENT RANGE 26V to 28.5VDC
- MINIMUM LOAD 7.5A per system
- LINE REGULATION ±1% Max over entire input range
- LOAD REGULATION ±1% maximum
- RIPPLE ±0.5% or 50mV pk-pk max, whichever is greater (20MHz)
- SETPOINT ACCURACY ±1%
- EXCURSION ±3% Max for 50% Step Load
- RECOVERY 500ms max
- OVER CURRENT 105-130% (Auto-Recovery)
- OVER VOLTAGE PROTECTION 29V ± .5V (recycle input to reset)

GENERAL SPECIFICATIONS:
- OPERATING TEMPERATURE -30 ~ +50°C
- STORAGE TEMPERATURE -50 ~ +85°C
- COOLING Forced Air Fans
- HUMIDITY 10-90% (non-condensing)
- VIBRATION 10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
- SHOCK 20G Peak Acceleration
- RELIABILITY 150000 hours @ 50°C
- AUDIBLE NOISE < 65 dBA

EMISSIONS:
- EMISSIONS CISPR Class A
- 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
- NEBS GR1089

STATUS & CONTROL SPECIFICATIONS:
- PARALLEL OPERATION Load Sharing ±10%
- AC ABNORMAL AC Input < 175VAC or > 265VAC
- OUTPUT UNDER VOLTAGE Output < 24.0 ± 5VDC
- BATTERY LOW VOLTAGE Batteries < 23.0 ± 5VDC
- BATTERY OVER DISCHARGE Batteries < 21.0 ± 5VDC
- SERIAL INTERFACE RS485 Serial Communications