



REV: 09232011

ITE / EMBEDDED POWER SUPPLY

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	±% or 50mV pk-k max, whichever is greater (20MHz)
SETPOINT ACCURACY	±1%
EXCURSION	±3% Max for 50% Step Load
RECOVERY	500us 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

