

KLTE-413

Product Features:

- Wall Mount Type
- Battery Charger and Monitor
- Full Featured Status and Alarms
- Dry Contact Alarm
- IP55 Grade
- LED Alarm Indicators
- Convection Cooling Type (no fan)

Input Specifications:

VOLTAGE	1Ø220VAC (±20%)
FREQUENCY	47-63Hz
INRUSH	20A @ 220VAC(Max Cold Start) per Module
CURRENT	4.0A @ 220VAC(Max Continuous) per Module
PROTECTION	Double pole 10A Fuse / 250VAC per Module
LEAKAGE	3.5mA Max @ 264VAC per Module
EFFICIENCY	90% Typical
HARMONICS	EN61000-3-2 Class D Compliant (>98PF)
PROTECTION	Input Under voltage, Overvoltage

Output Specifications:

Vout	-53.3VDC
Iout	13Amax
ADJUSTMENT RANGE	-40VDC~-58VDC
LINE REGULATION	±0.5% Max over entire input range
LOAD REGULATION	±0.5% Maximum
TEMP REGULATION	±0.5% Maximum
RIPPLE	≤ 250mVp-p(10Hz~14MHz)
SETPOINT ACCURACY	±0.5%
OVER CURRENT	105~130%
OVER VOLTAGE PROTECTION	-59VDC(recycle input to reset) Thermal Shutdown Battery Temp. Compensation

Status & Control signals:

COMMUNICATION	High Signal indicates DC Output is on and within regulation
INTERFACE	RS485, TCP/IP

Outdoor Power Cabinet with Battery Shelf -53.3VDC / 13A Output



Battery Rack



Rectifier

General Specifications:

OPERATING TEMP	-30°C to +50°C
STORAGE TEMP	-40°C to +85°C
OPERATING HUMIDITY	10% to 90% (Non-Condensing)
STORAGE HUMIDITY	5% to 95% (Non-Condensing)
COOLING	Convection cooling
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	150,000 Hrs MTBF
ALTITUDE	0~10,000 Feet
SIZE(W×D×H)	280 × 110 ×150mm(Rectifier) 260× 220 ×370mm(Battery Rack)

Electromagnetic Compatibility:

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
SURGE	EN61000-4-5
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip&10ms, 30% Dip&500ms
VOLTAGE INTERRUPTIONS	0ms
FLUCTUATIONS & FLICKER	EN61000-4-11, 95% reduction, 5ms EN61000-3-3

Standards & Approvals: TBD

UL/CUL	60950-1
CE MARK	Low Voltage Directive
TELCORDIA	Nebs Compliant (Level3)

