

KLTE-430D

Outdoor Power Cabinet without Battery
-53.3VDC / 30A Output



Product Features:

- Wall or Pole Mount Type
- Modular design for accommodating high power applications and easy maintenance
- IP55 Grade
- Battery Charger and Monitor
- Full Featured Status and Alarms (dry contact)
- Convection Cooling Type (no fan)

Input Specifications:

VOLTAGE	1Ø220VAC (176VAC ~ 264VAC)
FREQUENCY	47~63Hz
INRUSH-CURRENT	30A @ 220AVC(Max. Cold Start)
PROTECTION	Double pole 15A Fuse / 250Vac
LEAKAGE	3.5mA Max @ 264Vac
EFFICIENCY	≥90% Typical
HARMONICS	EN 61000-3-2 Class D Compliant (≥98PF)
PROTECTION	Input Under & Overvoltage

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	100,000 Hrs MTBF
ALTITUDE	2,000Meter
SIZE(W×D×H)	250 × 232 × 362mm(Power Cabinet)
WEIGHT	13.0Kg

Output Specifications:

Vout	-53.3VDC
Iout	30Amax
ADJUSTMENT RANGE	-42VDC~-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	-59VDC(recycle input to reset)
PROTECTION	Thermal Shutdown Battery Temp. Compensation

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	EN61000-4-11, 95% reduction, 5ms

Status & Control signals:

COMMUNICATION	RS485, TCP/IP
INTERFACE	Output alarms

Standards & Approvals: TBD

UL/CUL	60950-1
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Outline Drawing:

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