



Unit Shown: Fully Equipped

Hybrid AC & DC System

The LTP wall mount system provides DC voltage to a load while charging external batteries. This flexible system can accommodate rectifiers or inverters. If the AC mains supply fails then the batteries will supply power to the load. The LTP system is suitable for charging many types of batteries. It can also be used as a direct power supply without batteries.

The modular and scalable design with hot pluggable rectifier and inverter modules assures low Mean Time to Repair and future expansion.

MADE IN INDIA

Standard Features

- Modular, Hot Pluggable Design
- Four Rectifier / Inverter Module Positions
- Eight (GMT Fuse Position Sold Separately)
- Automated and Scheduled Battery Testing
- Audible Battery Test Fail Alarm
- Battery Eliminator
- Battery Charge Current Limiting
- Load and Battery Current Monitoring
- Form "C" Dry Alarm Contacts & LEDs
- LCD Display
- Wall Mount
- 2 Year Warranty

	Model Number	AC Input		DC Output			Overall Dimensions H x W x D (inches)	Mounting	Shipping Weight	
		Operating	Frequency	Amps	Volts	Range			lbs	kgs
Rectifier	LTR-7.5-48V-U1	102-275 VAC	45-65 Hz	7.5	48	42-56 VDC	5.6 X 3.2 X 9	4 RU	4	1.8
	LTR-10-24V-U1	102-275 VAC	45-65 Hz	10	24	21-36 VDC	5.6 X 3.2 X 9	4 RU	4	1.8
	LTR-10-12V-U1	102-275 VAC	45-65 Hz	10	12	10-18 VDC	5.6 X 3.2 X 9	4 RU	4	1.8
System Enclosure	LTPE-30-48V-U1	102-275 VAC	45-65 Hz	30	48	42-56 VDC	5.6 X 19 X 9.5	4 RU	7.5	3.4

	Model Number	AC Output		DC Input			Overall Dimensions H x W x D (inches)	Mounting	Shipping Weight	
		Nominal	Frequency	Amps	Volts	Range			lbs	kgs
Inverter	LTI-300-48V-A6	120 VAC	60 Hz	---	48	42-56 VDC	5.6 X 3.2 X 9.0	4 RU	3.5	1.6
Battery	P24B-12-12V*	---	---	12 AH	12	---	3.9 X 3.9 X 6.0	---	9.2	4.2
Battery Enclosure	LTPB-1	---	---	---	---	---	5.6 X 19 X 8.8	4 RU	6.5	3.0

Agency Approvals Pending UL, CUL, CE EN 60950-1	Environmental Temperature Standard: 0° to 50°C (32° to 122° F) Storage: -40° to 85°C (32° to 185° F) Humidity: 0° to 95% Non-condensing	Ordering Information <ul style="list-style-type: none"> • La Marche Model Number • DC Voltage • Battery Amp Hour Rating • Number & Type of Battery Cells 	Optional Accessories <ul style="list-style-type: none"> • 21X Ethernet Communications (SNMP, Remote Monitoring and Battery Testing) • 20X 7ft Twist Lock AC Cord (20Amp) • 08X Rack Mounting Kits (19" & 23")
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*Quantity of 4 required per system.



Rectifier Specifications

INPUT VOLTAGE

- Nominal: 120 / 208 / 220 / 240
- Operating: 102 - 275 VAC

INPUT CURRENT

- 3.8 / 2.28 A

INPUT FREQUENCY

- 45 - 65 Hz

OUTPUT VOLTAGE

- 48V

OUTPUT CURRENT

- 7.5 A

INDICATORS

- DC LED
- AC LED
- Alarm LED

POWER FACTOR

- > .99

THD

- < 5%

EFFICIENCY

- > 93%

LOAD REGULATION

- < ±0.5%

LINE REGULATION

- < ±0.1%

NOISE

- < 32dBmC

RIPPLE

- < 30mV RMS

PROTECTION

- Fuse and blocking diode

WEIGHT

- 4 lbs

ENVIRONMENTAL

TEMPERATURE

- Standard: 0° to 50°C (32° to 122° F)
- Storage: -40° to 85°C (32° to 185° F)

HUMIDITY

- 0 to 95% RH non-condensing

Cooling

- Fan Assisted



Inverter Specifications

INPUT VOLTAGE

- Voltage Range: 42 - 56 V

INPUT CURRENT

- 7.0 A

OUTPUT VOLTAGE

- 120 VAC
- AC Waveform: Pure Sine Wave
- Power: 300 W

EFFICIENCY

- > 85%

OUTPUT RECEPTACLE

- IEC

STATUS / ALARM

- Inverter Status
- Power ON / OFF

WEIGHT

- 3.5 lbs

ENVIRONMENTAL

TEMPERATURE

- Standard: 0° to 50°C (32° to 122° F)
- Storage: -40° to 85°C (32° to 185° F)



Shelf Specifications

DIMENSIONS

- 5.6 x 9.5 x 19

WEIGHT

- 7.5 lbs

MOUNTING

- Wall Mount
- Optional Rack Mounting Kit (19" & 23")

CONNECTIONS

- AC Input
- Ethernet



Controller / Distribution Specifications

CONTROL MODULE FEATURES

- LCD Display
- Adjustments (Output Voltage, High Voltage Alarm, Low Voltage Alarm High Voltage Shutdown, Current Limit)
- Output Voltage & Currents
- Manual and Automatic Battery Test
- Alarm Indicators (LEDS) and Alarm "C" Contacts
 - AC Mains Failure
 - Distribution Fuse Open
 - Rectifier Failure
 - Low DC
- Audible Alarm
- Separate Load & Battery Charge Current Limits

DISTRIBUTION MODULE FEATURES

- 8 Load Connections Positions (GMT Fuses Not Included)
- Fuse Part Number: P8-L1-A (X) : X= Fuse Rating Available sizes: 0.25, 0.5, 1, 2, 3, 5, 10
- Battery Connection
- Temperature Compensation Probe Connection

TEMPERATURE

- Standard: 0° to 50°C (32° to 122° F)
- Storage: -40° to 85°C (32° to 185° F)

Web Interface*

- Online Monitoring (LAN, WAN)
- SNMP

Web Display

- LTP CONNECTIVITY
- RECTIFIER FAIL
- BATTERY FAIL
- MAINS FAIL
- DISTRIBUTION FAIL
- AUTO BATTERY TEST

Battery voltage: **52V**

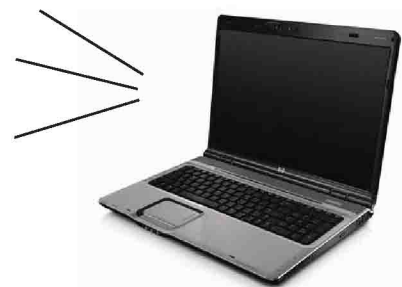
Charging Current: **2A**

Load Current: **21A**

Last Run At:
June 19, 05:40:16 AM

Perform Battery Test

Last Read On: Tue Jun 19, 09:46:17 AM
Last Logs Available: June 19, 07:13:05 AM



Optional Web Interface (Via Ethernet)*

Monitor	E-mail Notification	Features
<ul style="list-style-type: none"> • Battery Voltage • Load Current • Charging Current 	<ul style="list-style-type: none"> • Battery Test Fail • LED Rectifier Fail • LED Battery Fail • LED Mains Fail • LED Distribution Fail • Data Not Received 	<ul style="list-style-type: none"> • Perform Battery Test • Assignable System Name