Series 1000 Single Phase UPS

Standard Features

- Exceptional Performance
- True “On-Line” Technology
- Highest Quality Components
- Powers Any Critical Load
- Commercial Grade Construction
- Office or Factory Compatible
- Pure Sine Wave Output
- Less Than 1% Total Harmonic Distortion
- True Zero Break Transfers
- Small Compact Enclosure
- Fast Recovery Industrial Grade Charger
- Redundant Fault-Tolerant Circuitry
- Excellent Reliability
- Kilowatt-Power Rated
- Easy To Operate User Friendly Display
- Low Maintenance
- Extremely Quite Operation
- Full Load Rated Static Switch
- True Double Conversion Design
- Form “C” Alarm Contacts
- Casters and Leveling Feet
- Seismic Zone 4 Certified
- Handless Crest Factor of 5:1
- Available in Multiple Configurations
- Worldwide Voltages and Frequencies
- Adapts Easily to Custom Applications
- Rack Mount and Inverter Models

3.75kva to 18.75kva UPS

Premium Quality Power Protection for: Mainframe Computers, LAN nodes, Servers, Hubs, PBX, Factory Process Controls, and Telecommunications Equipment.

Unsurpassed Performance!

No UPS Delivers Cleaner Output Power Than The LTI Power Systems Series 1000

Total Input To Output Isolation---LTI Power Systems Double Conversion, On-Line UPS converts the contaminated incoming power into a regulated and filtered direct current (DC). The DC charges the batteries and is reconstructed into a new isolated, and clean alternating current (AC). This pure AC is continuously supplied to your critical load, extending its life by brownouts, blackouts, and even lightning strikes.

Series 1000 Single Phase UPS

Electrical Specifications

Model Type	LT1030	LT1050	LT1075	LT1080	LT1100	LT1150
Max. Output, (VA) @ .8PF.	3,750	6,250	9,375	10,000	12,500	18,750
Max. Output Power (Watts) (60Hz)	3,000	5,000	7,500	8,000	10,000	15,000
50Hz	2,400	4,000	6,000	6,400	8,000	12,000
Input	**LT1030**	**LT1050**	**LT1075**	**LT1080**	**LT1100**	**LT1150**
Nominal Input Voltage (60Hz)	120, 208, 220, 240vac		208, 220, 240vac		208, 240, 480vac 1Ph 208, 240, 480vac 3Ph	
Nominal Input Voltage (50Hz)	220 or 240vac		220 or 240vac		220, 240, 380vac 1Ph 220, 240 or 380vac 30	
Input Voltage Range (50 & 60 Hz)	+15%, -25% (without using batteries)					
Input Frequency Range	45-65Hz					
Power Walk-In	5 seconds to full load					
Input/Output Connections	Hardwire Connection Standard (Optional Line Cords 3 and 5kva models only)					
Output						
Nominal Output Voltage (50Hz) (60Hz)	220, 230 or 240vac 120 (Note 2), 120/208 (Note 3), 110/220 or 120/240vac					
Output Voltage Regulation	(Steady State): ±1% for all line and load conditions (Dynamic): ±2% from nominal for 100% load steps					
Output Voltage THD	Will not exceed 1% for Linear Loads and 3% for Non-Linear Loads					
Maximum Load Crest Factor	±5:1					
Output Frequency Stability	±0.01% from nominal					
Slew Rate	1Hz/second maximum					
Output Sync. Window	±2%					
	LT1030	**LT1050**	**LT1075**	**LT1080**	**LT1100**	**LT1150**
Typical Efficiency	83%				81%	86%
(50% Load)	83%				81%	86%
(100% Load)	83%				85%	86%
Overload Ratings	(0.8 load pf.) 110% - Indefinite 125% - 10 minutes 150% - 60 seconds				(1.0 load pf.) 120%-15 seconds 125% - 8 seconds	
Surge Withstand	Passes IEEE 587/ANSI CG2.41 Category A					
Battery	**LT1030**	**LT1050**	**LT1075**	**LT1080**	**LT1100**	**LT1150**
Votage (VDC)	120	120	120	120	360	360
Back-up Time @ .7 Load pf.	Standard internal Battery Reserve Times					
Min. @ 50% Load	22	22	30	18	64	42
Min. @ 100% Load	7	7	10	8	22	14
Recharge Time	<1 Hour to 90% Charge Level after Complete Discharge					
Environmental	**LT1030**	**LT1050**	**LT1075**	**LT1080**	**LT1100**	**LT1150**
Diminsions W/D/H (In.)	13/31/27	13/31/27	16/31/36	16/31/36	18/38.5/53	18/38.5/53
(cm)	33/79/69	33/79/69	41/79/92	41/79/92	46/98/135	46/98/135
Weight w/Internal Battery (lbs./kg)	310/141	425/193	620/281	675/306	1200/544	1200/544
w/o Internal Battery (lbs./kg)	250/114	305/139	429/195	484/220	790/359	790/359
Heat Rejection (1.0 pf Load)	2100 BTU/hr	3500 BTU/hr	5250 BTU/hr	5460 BTU/hr	6020 BTU/hr	9038 BTU/hr
Operating Temperature	0-40°C (32°F to 104°F)					
Humidity	0-95% Non-Condensing					
Audible Noise	<50dbA @ 1Meter					

1. 480vac models require a 208 or 240vac bypass input feed.
2. 120/240vac output configurations divide the loads between L1 to N and L2 to N.
3. 208vac output voltage is single phase. L1 to N measures 120V, L2 to N measures 88V and L1 to L2 measures 208V.

Note: All data is subject to change without notice.

LTI Power Systems is a ISO9001-2000 listed manufacturer

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