

Pure Sine wave, Line Interactive UPS



- Best value systems—models available from 700 to 3000VA
- Ideal for servers, telecom equipment, voice and data networks
- > Available in two models: Rack Mount and Tower Mount
- > Auto voltage regulation with boost and buck
- User accessible hot swappable batteries
- Extended runtime models available

Alpha's ALI Elite UPS is a microprocessor-controlled, pure sine wave, line interactive UPS featuring advanced Auto Voltage Regulation (AVR) with boost and buck. The AVR provides a wider input voltage operating range that results in fewer transfers and extends battery life. All Alpha ALI Elite models include graphical user interfaced, software capable of safe unattended PC shutdown. Additional features include smart battery management, automatic frequency selection, smart communication, optional SNMP and TCP/IP base power management software.

# ALI Elite UPS

## **Nominal Specifications**

Model Tower: Part Number: Rack Mount: Part Number:	ALI Elite 700T 017-747-107 ALI Elite 700RM 017-747-67	ALI Elite 1000T 017-747-110 ALI Elite 1000RM 017-747-61	ALI Elite 1500T 017-747-115 ALI Elite 1500RM 017-747-65	ALI Elite 2000T 017-747-120 ALI Elite 2000RM 017-747-62	ALI Elite 3000T 017-747-130 ALI Elite 3000RM 017-747-63
Capacity (VA/W): Input Plug: Input Protection: Audible Noise:	700VA/480W NEMA 5-15P Fuse <40dBA @ 1m	1000VA/600W NEMA 5-15P Fuse <40dBA @ 1m	1500VA/900W NEMA 5-15P Fuse <40dBA @ 1m	2000VA/1200W NEMA L5-20P Breaker <40dBA @ 1m	3000VA/1800W NEMA L5-30P Breaker <40dBA @ 1m
Receptacles Tower:	4 NEMA 5-15R	4 NEMA 5-15R	6 NEMA 5-15R	6 NEMA 5-20R	4 NEMA 5-15R,
Rack Mount:	4 NEMA 5-15R	4 NEMA 5-15R	4 NEMA 5-15R	4 NEMA 5-20R	1 NEMA 5-30R 4 NEMA 5-15R, 1 NEMA 5-30R
Battery DC Voltage: Battery Runtimes* Tower and Back	24V	24V	36V	48V	48V
Runtime @ 100% Load: Runtime @ 50% Load:	5min 18min	3min 12min	3min 12min	3min 12min	6min 21min
Mechanical Tower					
iower (in): (mm): Weight (lb/kg): Approx. Ship Weight (lb/kg): Rack Mount	5.5W x 17.2D x 8.3H 140W x 436D x 210H 30.8/14 34.1/15.5	5.5W x 17.2D x 8.3H 140W x 436D x 210H 33.0/15 35.2/16	6.7W x 17.7D x 8.9H 170W x 450D x 226H 55.1/25 59.5/27	6.7W x 17.7D x 8.9H 170W x 450D x 226H 66.1/30 70.5/32	6.7W x 22.8D x 16.9H 170W x 580D x 430H 80/36 83.7/38
(in): (mm): Weight (lb/kg): Approx. Ship Weight (lb/kg):	16.9W x 15.0D x 5.1H 429.3W x 381D x 130H 39.6/18 45.6/20.7	16.9W x 15.0D x 5.1H 429.3W x 381D x 130H 44/20 48.5/22	16.9W x 15.0D x 5.1H 429.3W x 381D x 130H 57.3/26 63.4/28.8	16.9W x 15.0D x 5.1 429.3W x 381D x 130 61.7/28 68.5/31.1	16.9W × 22.1D × 7.0H 429.3W × 560D × 178H 75/34 79.3/36

\*rounded to the nearest minute

## **General Specifications**

#### AC Input

Voltage (Selectable): Voltage Range: Frequency:

#### AC Output

Voltage: Frequency: Regulation:

Spike Protection: EMI/RFI Filtering: Overload Capacity: Transfer Time: Waveform:

#### Battery

Recharge Time: Type:

### Interface

Front Panel Indicators: Audible Alarm:

Communications:

#### Environment

Operating Temperature: Storage Temperature: Altitude: Humidity: Safety:

#### Warranty

UPS Module and Battery:

100/110/120V ±25% 50/60Hz ±5% (auto sensing)

#### 100/110/120V

50 or 60Hz ±0.5% when on battery Increase of 15% if input voltage is -9 to -25% Decrease of 15% if input is 9 to 25% 320Joules, 2ms 10dB at 0.15MHz, 50dB at 30Mhz 110% for 20sec, 125% for 5sec 2 to 4ms, including detection time Sine wave

<4hrs to 90% recharge of internal batteries only Valve Regulated Lead Acid (VRLA) No extended battery packs (available on XL models only)

LED display–load level and battery capacity On battery–Slow beep, low battery–rapid beep, overload–continuous RS-232 with optional external SNMP

0 to 40°C -20 to 48°C 3500m above sea level 0 to 95% non-condensing UL, CSA

Competitive warranties included. Contact your sales representative for further details.



# **ALI Elite XL UPS**

## **Nominal Specifications**

Inverse Tover:ALI Eite 700TXL 017-847-207ALI Eite 1000TXL 017-847-208ALI Eite 1000TXL 017-847-208ALI Eite 1000TXL 017-847-208ALI Eite 1000TXL 017-847-208ALI Eite 2000TXL 017-847-208ALI Eite 2000TXL 017-847-208ALI Eite 2000TXL 017-847-208ALI Eite 2000TXL 017-847-288ALI Eite 200TXL 017-847-288ALI Eite 200TXL 017-847-88ALI Eite 200TXL 017-847-88ALI Eite 200TXL 017-847-88ALI Eite 200TXL 017-847-88ALI Eite 200TXL 017-847-88ALI Eite 200TXL	Model					
Part Number:  017-247-207  017-247-200  0000/110  017-247-200  0000/110  017-247-200  0000/110  017-247-200  0000/110  017-247-200  0000/110  017-247-200  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110  0000/110						
Back Mount:  AL Eine 300RMXL  AL Eine 300RMXL  AL Eine 300RMXL  OIT 747-85  OIT 747-85  OIT 747-82  OIT 747-83    Capacity VAW:  1000VA600W  1000VA600W  1000VA900W  2000VA1200W  3000VA1800W    Input Procision:  NEMA 5-15P  NEMA 5-15P  NEMA 5-15P  NEMA 5-15P  NEMA 5-30P    Receptacies  Fuse  Fuse  Fuse  Breaker  Breaker  Breaker    Tower:  6 NEMA 5-15R  6 NEMA 5-15R  6 NEMA 5-15R  6 NEMA 5-15R  4 NEMA 5-30P    Rack Mount:  6 NEMA 5-15R  6 NEMA 5-15R  6 NEMA 5-15R  6 NEMA 5-15R  4 NEMA 5-30R    Battery  24V  24V  36V  48V  6 NEMA 5-20R  4 NEMA 5-30R    Tower  (n):  (n):  1000X/4400V  50V  48V  6 NEMA 5-15R  6 NEMA 5-20R  4 NEMA 5-16R  1 NEMA 5-30R    DC Voltage:  24V  24V  24V  6 NEM 5-20R  6 NEM 5-20R  6 NEM 5-20R  6 NEM 5-20R  6 NEM						
Part Number:  017-247-81  017-247-82  017-247-82  017-247-82    Capacity Va/W:  COWASDOW  1000VASDOW  1000VASDOW  1000VASDOW    Capacity Va/W:  COWASDOW  1000VASDOW  1000VASDOW  1000VASDOW    Paul Productor:  Fuse  Fuse  Fuse  Breaker  Breaker    Auttib Notice:  <40dBA @ Im						
Capacity WAY:  TODWAR50W  TODWAR50W <thtodwar50w< th=""></thtodwar50w<>						
Input Process Input Process HugeNEMA 5-15P Fuse		• · · · · • •				
Input Protection:LuseFuseFuseFuseProductBreaker <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td></th<>						
Audie Noise:40dBA 01m40dBA 01m45dBA 01m </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
ReceptadesNon-Normal<						
Tower:6 NEMA 5-15R6 NEMA 5-15R6 NEMA 5-15R6 NEMA 5-20RNEMA 5-30R NEMA 5-30RRack Mount:6 NEMA 5-15R6 NEMA 5-15R6 NEMA 5-15R6 NEMA 5-20RNEMA 5-30R NEMA 5-30RBattery DC Voltage:24V24V66V6V49V49VMechanica Tower (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm)67W 17.7D x 8.9H (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H) (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H) (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H) (70.2W x 449.6D x 226.1H (70.2W x 449.6D x 226.1H) (70.2W x 449.6D x 226.1H) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Rack Mount:NEMA 5-15RNEMA 5-15RNEMA 5-15RNEMA 5-15RNEMA 5-15RNEMA 5-16RNEMA 5-20RNEMA 5-30RBattery DC Voltage:24V24V36V88V28V28VMontified March Tower (mm) 		6 NEMA 5 15P	6 NEMA 5 15P	6 NEMA 5 15D	6 NEMA 5 20P	
Rack Mount:6 NEMA 5-15R6 NEMA 5-15R6 NEMA 5-15R6 NEMA 5-20R8 NEMA 5-15RNEMA 5-15RBattery D'C Volage:24V24V36V84V48VMechanical Tower7.777.77.8.9H6.778.17.77.8.9H6.778.17.07.8.9H6.778.18.92.16.9H7.782.48.90.22.20.186.778.18.92.16.9H7.782.48.90.22.20.18 <th< td=""><td>Tower.</td><td>6 NEWA 5-15h</td><td>0 NEIMA 5-15h</td><td>0 NEWA 5-15h</td><td>6 NEIMA 5-20H</td><td></td></th<>	Tower.	6 NEWA 5-15h	0 NEIMA 5-15h	0 NEWA 5-15h	6 NEIMA 5-20H	
Battery DC Voltage:AdministrationBattery and the standBattery and the standHEMA 5-30RBattery DC Voltage:24V36V48V48VMechanical Tower (mm):	Back Mount:	6 NEMA 5-15B	6 NEMA 5-15B	6 NEMA 5-15B	6 NEMA 5-20B	
DČ Voltage:  24V  24V  36V  48V  48V    Mechanical Tower  r  F	Haok Would.				o Nemi to zon	
Mechanical Tower  Key Mark	,					
Towerrow	DC Voltage:	24V	24V	36V	48V	48V
Towerrow	Mechanical					
(in): (mm): (mm): (mm): (mm): (mm): (mm): 						
mmm  TO2 W x 449.6D x 226.1H  TO2 W x 449.6D x 226.1H  TO2 W x 449.6D x 242.9H  TO2 W x 480.1D x 429.3H  TO2 W x 480.1D x 429.3H  TO2 W x 548.6D x 429.3H    Approx. Ship Weight (lb/kg):  50.7/23  67.00  94.8/46  110.2/50  125/70    Rack Mount  16.9W x 22.0D x 5.1H  1		6 7W x 17 7D x 8 9H	6 7W x 17 7D x 8 9H	6 7W x 18 9D x 16 9H	6 7W x 18 9 x 16 9H	6 7W x 21 6D x 16 9H
Weight (b/kg):  50.7/23  66/30  94.8/46  110.2/50  125.7/57    Rack Mount  70.5/32  108/49  116/53  122/60    (in):  6.9W x 22.0D x 5.1H  16.9W x 25.0D x 1.2H  16.9W x 25.0D x 1.1H  16.9W x 2						
Rack Mountresult of the second of		50.7/23	66/30	94.8/46	110.2/50	
(in) (mm): (mm): (mm): Approx.ShipWeight (lb/kg): Approx.ShipWeight (lb/kg): Approx.	Approx. Ship Weight (lb/kg):	52.8/24	70.5/32	108/49	116/53	132/60
'mm:  429.3W x 558.2D x 129.5H  430.4F    1 EBP:  2 EBP:  1 8min  3 6min  1 8min  1 8min  3 8min  3 8min    1 EBP:  2 EBP:  1 78min  1 6min  1 92min  92min  92min  92min  92min  92min  2 Emin  1 4min  1 4min  1 4min  1 4min  1 4m						
Weight (lb/kg): Approx. Ship Weight (lb/kg):41.9/19 46.2/2152.9/24 57.3/2659.5/27 63.7/29103.6/47 108/49Battery Runtimes* Tower at 50% LoadLLL108/49DVPS: 0 PS: 2 EBP:18min36min52min52min28min1 EBP: 2 EBP:216min201min123min123min78minTower at 100% LoadU201min123min78min78minTower at 100% LoadUUUUUU1 EBP: 2 EBP:216min201min18min8min8min1 EBP: 2 EBP:92min92min92min92min92min92min1 EBP: 2 EBP:92min92min92min92min92min92min1 EBP: 2 EBP:92min92min92min92min92min92min1 EBP: 2 EBP:18min36min15min15min8min1 EBP: 2 EBP:18min36min15min14min92min1 EBP: 2 EBP:18min36min15min15min14min1 EBP: 2 EBP:18min36min15min16min16min1 EBP: 2 EBP:18min36min15min15min14min1 EBP: 2 EBP:18min36min15min15min16min1 EBP: 2 EBP:18min36min15min15min16min1 EBP: 2 EBP:18min36min15min15min36min1 EBP: 2 EBP:						
Approx. Ship Weight (lb/kg):  46.2/21  57.3/26  63.7/29  108/49    Battery Runtimes*						
Battery Runtimes* Tower at 50% LoadIaminSaminSaminSaminUPS:18min36min52min52min28min1 EBP:216min201min123min123min78min2 EBP:403min368min201min201min123minTower at 100% Load </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Tower at 50% LoadIsminSeminSeminSeminSeminSeminUPS:16min201min123min123min78min2 EBP:403min368min201min201min123minTower at 100% Load </td <td>Approx. Ship Weight (lb/kg):</td> <td>46.2/21</td> <td>46.2/21</td> <td>57.3/26</td> <td>63.7/29</td> <td>108/49</td>	Approx. Ship Weight (lb/kg):	46.2/21	46.2/21	57.3/26	63.7/29	108/49
Tower at 50% LoadIsminSeminSeminSeminSeminSeminUPS:16min201min123min123min78min2 EBP:403min368min201min201min123minTower at 100% Load </td <td>Battery Buntimes*</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Battery Buntimes*					
UPS:18min36min52min52min28min1 EBP:216min201min123min123min78min2 EBP:403min368min201min201min123minTower at 100% Load </td <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td>	,					
1 EBP: 2 EBP:216min201min123min123min78min2 EBP:403min368min201min201min123minTower at 100% Load </td <td></td> <td>18min</td> <td>36min</td> <td>52min</td> <td>52min</td> <td>28min</td>		18min	36min	52min	52min	28min
2 EBP:403min368min201min201min123minTower at 100% Load </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Tower at 100% LoadJohn of the second sec						
UPS: 1 EBP: 2 EBP:Smin12min18min18min8min1 EBP: 2 EBP:92min92min52min28min178min163min92min92min52minRack at 50% LoadUPS: 2 EBP:18min36min15min15min14min1 EBP: 2 EBP:234min211min125min102min65min2 EBP:477min416min248min189min120minRack at 100% LoadUPS: 1 EBP:5min12min5min5min6min1 EBP: 1 EBP:106min97min5min5min5min		40011111	00011111	2011111	20 11111	12011111
1 EBP: 2 EBP:92min92min52min52min2 EBP:178min163min92min92min52minRack at 50% LoadUPS:18min36min15min15min14min1 EBP:234min211min125min102min65min2 EBP:477min416min248min189min120minRack at 100% LoadUPS:5min12min5min5min5min1 EBP:002 EBP:477min12min5min5min5min100% LoadUPS:5min12min5min5min5min1 EBP:106min97min54min40min26min						
2 EBP:  178min  163min  92min  92min  52min    Rack at 50% Load  - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Rack at 50% LoadJaminJaminJaminJaminUPS:18min36min15min15min14min1 EBP:234min211min125min102min65min2 EBP:477min416min248min189min120minRack at 100% LoadUPS:5min12min5min5min1 EBP:106min12min5min5min6min						
UPS:  18min  36min  15min  15min  14min    1 EBP:  234min  211min  125min  102min  65min    2 EBP:  477min  416min  248min  189min  120min    Rack at 100% Load  -  -  -  -  -  -    UPS:  5min  12min  5min  5min  5min  5min    1 EBP:  106min  97min  54min  40min  26min  26min	2 EBP:	178min	163min	92min	92min	52min
1 EBP:  234min  211min  125min  102min  65min    2 EBP:  477min  416min  248min  189min  120min    Rack at 100% Load	Rack at 50% Load					
1 EBP:  234min  211min  125min  102min  65min    2 EBP:  477min  416min  248min  189min  120min    Rack at 100% Load	UPS:	18min	36min	15min	15min	14min
2 EBP:  477min  416min  248min  189min  120min    Rack at 100% Load	1 EBP:	234min	211min	125min	102min	65min
Rack at 100% Load  Smin  Smin <td></td> <td>477min</td> <td>416min</td> <td>248min</td> <td>189min</td> <td>120min</td>		477min	416min	248min	189min	120min
UPS:5min12min5min5min5min1 EBP:106min97min54min40min26min						
1 EBP: 106min 97min 54min 40min 26min		Smin	10min	5min	5min	5min
	2 EBM:	21111111	179111(1			5111111

\*rounded to the nearest minute

## **General Specifications**

#### AC Input

Voltage (Selectable): Voltage Range: Frequency:

## AC Output

Voltage: Frequency: Regulation: Spike Protection: EMI/RFI Filtering: Overload Capacity: Transfer Time: Waveform:

#### Battery

Recharge Time: Type:

100/110/120V ±25% 50/60 Hz ±5% (auto sensing)

100/110/120V 50 or 60Hz ±0.5% when on battery ±10% nominal 320 Joules, 2ms 10dB at 0.15MHz, 50dB at 30mHz 125% for 10min, 150% for 10sec 2 to 4ms, including detection time Sine wave

<4hrs to 90% recharge of internal batteries only Valve Regulated Lead Acid (VRLA) Extended battery connectors included Extended battery packs available

## Interface

Front Panel Indicators: Audible Alarm:

Communications:

#### Environment

Operating Temperature: Storage Temperature: Altitude: Humidity: Safety:

### Warranty

LED display - load level and battery capacity. On battery - Slow beep, low battery - rapid beep, overload - continuous RS-232 with optional dry contacts or SNMP.

0 to 40°C -20 to 48°C 3500m above sea level 0 to 95% non-condensing UL, CSA

UPS Module and Battery: Competitive warranties included. Contact your sales representative for further details.



# ALI Elite UPS

### Extended Battery Pack Runtimes for ALI Elite XL Tower

Battery Pack:	ALIBP700/1000T	ALIBP700/1000T	ALIBP1500T	ALIBP2/3000T	ALIBP2/3000T
Alpha Part Number:	033-747-07	033-747-07	033-747-10	033-747-20	033-747-20
Dimensions (in):	6.7W x 18.9D x 8.5H				
(mm):	170.2W x 480.1D x 215.9H				
Weight (Ib/kg):	69.4/31.5	69.4/31.5	56.2/25.5	69.4/31.5	69.4/31.5
Approx. Ship Weight (lb/kg):	73.9/33.5	73.9/33.5	60.6/27.5	73.9/33.5	73.9/33.5

## Extended Battery Pack Runtimes for ALI Elite XL Rack Mount

Battery Pack:	ALIBP700/1000RM	ALIBP700/1000RM	ALIBP1500RM	ALIBP2/3000RM	ALIBP2/3000RM
Alpha Part Number:	033-747-08	033-747-08	033-747-12	033-747-22	033-747-22
Dimensions (in):	16.9W x 15.7D x 5.1H				
(mm):	429.3W x 398.8D x 129.5H				
Weight (lb/kg):	64.5/29.65	64.5/29.65	64.5/29.65	64.5/29.65	64.5/29.65
Approx. Ship Weight (lb/kg):	72.6/32.95	72.6/32.95	72.6/32.95	72.6/32.95	72.6/32.95

## ALI Elite UPS Advantages

#### Line Interactive Technology

The most requested technology for UPS's between 700 to 3000VA utilizing true sine wave output.

#### High Speed Micro Processor Controlled

High speed microprocessor with built-in analog to digital converter decreases noise, minimizes interference and reduces UPS fault activities.

#### Advanced Automatic Voltage Regulation (AVR)

Boost and buck allows the UPS to operate on a wider input voltage range than the typical line interactive UPS, which results in fewer transfers and extended battery life.

#### Smart Battery Management

Specially designed to meet battery manufacture's required charging sequence for maximum battery life. External battery pack with an internal charger allows for the fastest recharge time in the industry.

#### Extended Runtime Management

Designed with a robust inverter that allows for continuous inverter runtime with a variety of external battery pack options to meet specific user runtime requirements.

#### External SNMP/Web Card Option

Allows SNMP managers or web browsers to manage the UPS remotely through an ethernet connection.

#### AlphaMON Shutdown Software

Provides a user-friendly interface that displays the UPS status in a graphical format with customizable controls. Sends out alerts via e-mail and wireless pagers before safely shutting down the load.

#### User Accessible Hot Swappable Batteries

The ALI Elite series is designed with an easily accessible hot swappable battery that eliminates sparks and ensures user safety.



## For more information visit www.alpha.com

Canada

Alpha Technologies United States

Bellingham, Washington Tel: 360 647 2360 Fax: 360 671 4936 Burnaby, British Columbia Tel: 604 430 1476 Fax: 604 430 8908

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice. Copyright © 2006 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies. member of The Alpha Group™ is a trademark of Alpha Technologies.