

































MODEL
1400 Series
Headend UPS



- >Freestanding Configurations 2.4 kVA to 18 kVA
- >Rackmount Configurations 1.5 kVA to 2 kVA.
- >Compact footprint and high power density.
- >Excellent for headend, hub site and OTN applications.

Alpha's 1400 Series incorporates dual conversion technology that provides total power conditioning for sensitive headend electronics, regardless of the quality of utility or generator input power. This topology has a "walk-in" transfer feature which provides compatibility with most existing generators, even when sized near generator capacity. The walk-in feature also provides an upgrade path to add a second UPS which can run on the same generator should your headend load grow beyond the first UPS unit's capacity. Internal static bypass provides redundancy in the event of overload or fault.

Nominal Specifications

1400 Series Dual Conversion	2400 SE	3600 XL	3600 XL PP	6000 XL	6000 XL PP	8000 XL	10000 XL	12000 XL	18000 XL
Output Power Rating	2400VA	3600VA	3600VA	6000VA	6000VA	8000VA	10000VA	12000VA	18000VA
Output Power Factor	.6 - .85	.6 - .85	.6 - .85	.6 - .85	.6 - .85	.6 - .85	.6 - .85	.6 - .85	.6 - .85
Input Voltage (VAC)	120	208 / 240	208 / 240	208 / 240	208 / 240	208 / 240	208 / 240	208 / 240	208 / 240
Output Voltage (VAC)	120	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240
Typical Efficiency - AC/AC 100% Load	89%	85%	85%	85%	85%	85%	85%	85%	85%
Typical Heat Output (BTU/hr)	459	1550	1550	2580	2580	3444	4220	5060	7580
Mechanical UPS / Optional Battery Pack									
Width (Inches)	7.1 / N/A	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	17.7 / 12.3	17.7 / 12.3	17.7 / 12.3
Height (Inches)	14.6 / N/A	22.2 / 22.2	22.2 / 22.2	28 / 28	28 / 28	28 / 28	39.4 / 39.4	39.4 / 39.4	39.4 / 39.4
Depth (Inches)	23.2 / N/A	29.4 / 29.4	29.4 / 29.4	33.4 / 33.4	33.4 / 33.4	37 / 31.2	34.3 / 31.5	34.3 / 34	34.3 / 34
Weight (Lbs)	106 / N/A	220 / 316	220 / 316	321 / 460	321 / 460	447 / 430	584 / 850	706 / 850	957 / 850
Internal Battery Run Time*									
Full Load	7 Minutes	10 Minutes	10 Minutes	10 Minutes	10 Minutes	10 Minutes	8 Min / 13 Min	8 Minutes	8 Minutes
Half Load	21 Minutes	30 Minutes	30 Minutes	30 Minutes	30 Minutes	30 Minutes	24 Min / 40 Min	24 Minutes	24 Minutes
External Battery Run Time Options*									
A. One External Battery Pack w/ Internal Charger									
	N/A	1-AS30C6	1-AS30C6	1-AS60C6	1-AS60C6	1-AS60C6	1-AS1045	1-AS120C6	1-AS180C6
Full Load (total runtime including internal batteries)	50 Minutes	50 Minutes	50 Minutes	50 Minutes	50 Minutes	23 Minutes	45 Minutes	35 Minutes	20 Minutes
Half Load (total runtime including internal batteries)	2 Hours	30 Minutes	2 Hours 30Mn	2 Hours 30Mn	2 Hours 30Mn	1 Hour 15Mn	2 Hours 15Mn	1 Hour 45Mn	1 Hour
B. Two External Battery Packs w/ Internal Charger									
	N/A	2-AS30C6	2-AS30C6	2-AS60C6	2-AS60C6	2-AS60C6	2-AS1045	2-AS120C6	2-AS180C6
Full Load (total runtime including internal batteries)		1 Hr 30Mn	1 Hr 30Mn	1 Hr 30Mn	1 Hr 30Mn	45 Minutes	1 Hr 30Mn	1 Hr 5Mn	35 Minutes
Half Load (total runtime including internal batteries)		4 Hrs 30 Mn	4 Hrs 30 Mn	4 Hrs 30 Mn	4 Hrs 30 Mn 2	Hrs 30 Mn	4 Hrs 30 Mn	3 Hrs 15 Mn	1 Hr 45 Mn
*Battery runtimes are calculated at .7 power factor.						Extended Battery Requires 240V, 20A Service	Extended Battery Requires 240V, 20A Service	Extended Battery Requires 240V, 20A Service	Extended Battery Requires 240V, 20A Service
Power Connector Options (NEMA)									
Input	L5-30P 	T.B.  30A Service 	L6-30P 	T.B.  50A Service 	6-50P 	T.B.  50A Service 	T.B.  60A Service 	T.B.  80A Service 	T.B.  90A Service 
Output	5-15R2  5-20R2 	T.B. 	Four 5-20R2    	T.B. 	Five 5-20R2     	T.B. 	T.B. 	T.B. 	T.B. 

1400 Series rack mount 1500 RE 2000 RE

Output Power Rating 1500VA 2000VA

Output Power Factor .6 - .85 .6 - .85

Input Voltage (VAC) 120 120

Output Voltage (VAC) 120 120

Typical Efficiency - AC/AC 100% Load 87% 87%

Typical Heat Output (BTU/hr) 350 382

Mechanical UPS / Optional Battery Pack

Width (Inches) 19 / N/A 19 / N/A

Height (Inches) 5.25 / N/A 5.25 / N/A

Depth (Inches) 20 / N/A 20 / N/A

Weight (Lbs) 81 / N/A 81 / N/A



Internal Battery Run Time*

Full Load 10 Minutes 7 Minutes

Half Load 30 Minutes 21 Minutes

Power Connector Options (NEMA)

Input

5-20P  5-20P 

Output

Two 5-15R2 
 5-15R2 
 5-20R2 


Common Specifications

Input Frequency 55 to 65Hz

Output Frequency: 60Hz, ±0.1%

Operating Input Voltage Range: -30% to +10%

Output Voltage Regulation: ±3%

Overload Capacity: 150% for 30 Seconds

300% for 3 Seconds

1000% for 1 Cycle

Standard Features

- Output Load Indicator - UPS Operation

- Battery Level Indicator - Bypass Operation

- Utility Status Indicator - Alarm Reset Operation

- Inverter Indicator - DB9 Dry Contact Interface

- Fault Indicator - RS-232 Interface

Status & Control Features

(10, 12 and 18 KVA models only)

LCD Readout

- AC Input and Output Voltage

- Input and Output Frequency

- Output Current

- Battery Voltage and Test Results

- Number of Discharges and Faults

Key Switch UPS/ Bypass Operation

Emergency Power Off Switch

UPS On/ Off line

Warranty

Three-Year Parts, Labor and Batteries.

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