



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: **OSP – 0328 – 10**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Alpha Industrial Power

Manufacturer's Technical Representative: Phillip Knighton

Mailing Address: 1075 Satellite BLVD NW, Suwanee, GA 30024-4625

Telephone: 678-387-4046 Email: pknighton@alpha.com

Product Information

Product Name: Spectra Battery Chargers

Product Type: Emergency Backup Power

Product Model Number: Various – See Attachments

(List all unique product identification numbers and/or part numbers)

General Description: AC powered battery charger. See attachment for complete product specification details.

Mounting Description: Rigid Base Mounted

Applicant Information

Applicant Company Name: Alpha Industrial Power

Contact Person: Ron Rice

Mailing Address: 1075 Satellite BLVD NW, Suwanee, GA 30024-4625

Telephone: 678-387-4049 Email: rrice@alpha.com

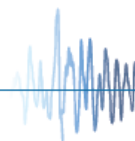
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant: *Ron Rice*

Date: 4/9/13

Title: Sales and Marketing Coordinator Company Name: Alpha Industrial Power

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: Tobolski Watkins Engineering, Inc.

Name: Matthew J. Tobolski, Ph.D., S.E California License Number: S5648

Mailing Address: 9246 Lightwave Ave. Ste. 140, San Diego, CA 92123

Telephone: 858-381-5843 Email: mtobolski@tobolskiwatkins.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
- Other (Please Specify): _____

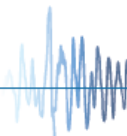
Testing Laboratory

Company Name: ANCO Engineers, Inc.

Contact Name: Paul Ibanez

Mailing Address: 1965A 33rd St., Boulder, CO 80301

Telephone: 303-443-7580 x239 Email: paul@ancoengineers.com





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
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Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = 0.6

S_{DS} (Design spectral response acceleration at short period, g) = 2.5

a_p (In-structure equipment or component amplification factor) = 1.0

R_p (Equipment or component response modification factor) = 2.5

Ω_0 (System overstrength factor) = 2.5

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 0

Equipment or Component Natural Frequencies (Hz) = Various. See Attachments.

Overall dimensions and weight (or range thereof) = Various. See Attachments.

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) = _____

S_{DS} (Design spectral response acceleration at short period, g) = _____

S_{D1} (Design spectral response acceleration at 1 second period, g) = _____

R (Response modification coefficient) = _____

Ω_0 (System overstrength factor) = _____

C_d (Deflection amplification factor) = _____

I_p (Importance factor) = 1.5

Height to Center of Gravity above base = _____

Equipment or Component Natural Frequencies (Hz) = _____

Overall dimensions and weight (or range thereof) = _____

Tank(s) designed in accordance with ASME BPVC, 2010: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

Other(s) (Please Specify): Attachments

OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2019

Signature: 

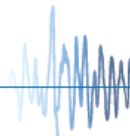
Date: July 29, 2013

Print Name: Timothy J. Piland



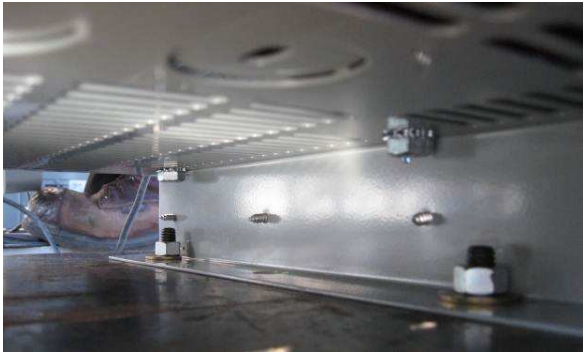
Title: SSE

Special Seismic Certification Valid Up to : S_{DS} (g) = 2.5 z/h = 0.0

Condition of Approval (if applicable): _____



3325.02 Alpha Industrial Power UUT Summaries and CPM

 <p>1965A 33rd Street Boulder, CO 80301 (303)443-7580</p>		<h1>UUT #3</h1> <h2>Unit Under Test (UUT)</h2> <h3>Summary Sheet</h3> <p>ANCO Project Number: 3325.02</p>						
Manufacturer:	Alpha Industrial Power Inc							
Model Line:	Spectra Battery Chargers							
Model Number:	1ST13002511100000							
Product Construction Summary:	Formed sheet metal Spectra enclosure (Lester Electrical Nema 1) housing breakers, LCD control interface and charger module.							
Options/ Subcomponent Summary:	None. Standard unit sold as tested. 120VDC, 25A, 120VAC, 1PH							
UUT Properties								
Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)				
	Depth	Width	Height	Front-Back	Side-Side	Vertical		
183.5	16.75	19	26.25	12	18	>33		
Seismic Run Level – UUT Maintained Functionality and Structural Integrity - Pass								
Building Code	Test Criteria	S_{DS}	z/h	I_P	A_{FLX-H}	A_{RIG-H}	A_{FLX-V}	A_{RIG-V}
CBC 2013	ICC-ES AC-156	2.5	0	1.5	2.5	1.0	1.68	0.68
Test Mounting Details:								
								
<p>Unit bolted to shake table using four 3/8"-16 bolts with standard washers (one bolt in each corner)</p>								

Form: UUT, revision 0.0

3325.02 Alpha Industrial Power UUT Summaries and CPM

 <p>1965A 33rd Street Boulder, CO 80301 (303)443-7580</p>		<div style="border: 1px solid black; padding: 5px; display: inline-block;">UUT #4</div> <p>Unit Under Test (UUT) Summary Sheet</p> <p>ANCO Project Number: 3325.02</p>						
Manufacturer:	Alpha Industrial Power Inc							
Model Line:	Spectra Battery Chargers							
Model Number:	1ST13005031100000							
Product Construction Summary:	Formed sheet metal Spectra enclosure (Lester Electrical Nema 1) housing breakers, LCD control interface and charger module.							
Options/ Subcomponent Summary:	None. Standard unit sold as tested. 120VDC, 50A, 240VAC, 1PH							
UUT Properties								
Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)				
	Depth	Width	Height	Front-Back	Side-Side	Vertical		
340	16.75	19	35	8.6	11.5	>33		
Seismic Run Level – UUT Maintained Functionality and Structural Integrity - Pass								
Building Code	Test Criteria	S_{DS}	z/h	I_p	A_{FLX-H}	A_{RIG-H}	A_{FLX-V}	A_{RIG-V}
CBC 2013	ICC-ES AC-156	2.5	0	1.5	2.5	1.0	1.68	0.68
Test Mounting Details:								
								
Unit bolted to shake table using four 3/8"-16 bolts with standard washers (one bolt in each corner)								

Form: UUT, revision 0.0

3325.02 Alpha Industrial Power UUT Summaries and CPM

Alpha Industrial Power Certified Product Matrix

Part Number	Dimensions (mm [in])			Weight kg[lb]	Tested/ Interpolated
	Length	Width	Height		
Spectra Charger					
1ST13001810000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001810100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001811000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001811100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001811100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001811120000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001821100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001830100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001831000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001831000100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001831001000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001831100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13001831120000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002010000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002010100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002011100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002011100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002011120000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002011130000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002020100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002021100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002031000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002031000030	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002031100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002031100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002031120000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002510000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002510100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002511000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002511100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	UUT#3

3325.02 Alpha Industrial Power UUT Summaries and CPM

Part Number	Length	Width	Height	Weight (kg/lb)	Tested/ Interpolated
1ST13002511100030	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002511100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002511100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002511101000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002511120000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002520100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002521100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002521100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002521101000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002530000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002530100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002530101000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531000000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531100000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531100100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531101000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531120000	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531121100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531130100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13002531161100	483[19.0]	425[16.8]	667 [26.25]	84[184]	
1ST13005020000000	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005021100000	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005021100100	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005030000000	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005031000000	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005031001000	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005031020000	483[19.0]	425[16.8]	889[35.0]	155[340]	
1ST13005031100000	483[19.0]	425[16.8]	889[35.0]	155[340]	UUT#4
1ST13005031100100	483[19.0]	425[16.8]	889[35.0]	155[340]	

3325.02 Alpha Industrial Power UUT Summaries and CPM

Spectra Charger Part Number Convention

UUT#3	1	ST	130	025	1	1	1	0	0	0	0	0
UUT#4	1		130	050	3	1	1	0	0	0	0	0
Generic Unit	A		B	C	D	E	F	G	H	I	J	K

Table J1: Spectra Options

If a space has no option selected, a zero must be inserted.				
Box	ST	Description	Interpolation	UUT
A	1	1 Phase	Tested	
B		Nominal DC Output Voltage		
	024	24 Vdc	Software	
	048	48 Vdc	Software	
	130	130 Vdc	Tested	3,4
C		Nominal DC Output Current		
	006	6 Adc	Software	
	012	12 Adc	Software	
	020	20 Adc	Software	
	025	25 Adc	Tested	3
	050	50 Adc	Tested	4
D		Input Voltage		
	1	120	Tested	3
	2	208 (not UL listed)	N/A	
	3	240	Tested	4
E		Filtering		
	0	Unfiltered	Software	
	1	Filtered / Eliminator	Tested	3,4
F		Relays		
	0	No Relays	Omitted	
	1	Individual Alarm Relay Contact Board	Tested	3,4
G		Remote Sensing		
	0	Not Supplied	Tested	3,4
	1	Remote Control Panel	N/A	
	2	Remote Temperature Compensation	N/A	
	3	Remote DC Voltage Sensing	N/A	
	4	Lines 1 & 2	N/A	
	5	Lines 1 & 3	N/A	
	6	Lines 2 & 3	N/A	
7	Lines 1, 2 & 3	N/A		
H		Lightning Arrester		
	0	Not Supplied	Tested	3,4
	1	Included	N/A	
I		Charging		
	0	Not Supplied	Tested	3,4
	1	Parallel Charging	N/A	
	2	Series Charging (Consult Factory)	N/A	

3325.02 Alpha Industrial Power UUT Summaries and CPM

J		Special Treatments		
	0	None	Tested	3,4
	1	Fungus Proofing	N/A	
	2	Conformal Seal On Electronic PC Board	N/A	
	3	Lines 1 & 2	N/A	
K		Other Options		
	0	None	Tested	3,4
	1	Lockable enclosure door	N/A	
	2	NEMA 4 enclosure	N/A	
	3	NEMA 12 enclosure	N/A	
	4	19" Rack flanges @ 6.0" from front	N/A	
	5	23" Rack flanges @ 6.0" from front	N/A	
	6	Lines 1 & 4	N/A	
	7	Lines 1 & 5	N/A	