

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0292
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Alpha Technologies Services, Inc	
Manufacturer's Technical Representative: Lan Doan	
Mailing Address: 1075 Satellite Blvd, Suite 400, Suwanee, GA 30024	
Telephone: (678) 387-4045 Email: Idoan@alpha.c	com
FORCODEC	
Product Information	MB,
Product Name: UPS and Batteries	
Product Type: Battery Chargers	2
Product Model Number: ACS Battery Charger (Standard)	m .
General Description: Rigid Floor Mounted industrial grade battery char provisions for local or remote control and monitor	
Mounting Description: Rigid, Floor Mounted	2
Tested Seismic Enhancements: None	
Applicant Information	- tur
Applicant Company Name: ZFA Structural Engineers	COV
Contact Person: Chris Warner	
Mailing Address: 1212 Fourth Street Suite Z, Santa Rosa, CA 95404	
Telephone: (707) 526-0992 Email: chrisw@zfa.co	m
Title: Principal	

OSP-0292

HCA



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

HCAi



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Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) = 1.13		
	SDS (Design spectral response accele	eration at short period, g) = 2.5		
	ap (Amplification factor) =	1.0		
	Rp (Response modification factor) =	2.5		
	Ω_0 (System overstrength factor) =	2.0		
	Ip (Importance factor) =	1.5		
	z/h (Height ratio factor) =	0		
	Natural frequencies (Hz) =	See Attachments		
	Overall dimensions and weight =	See Attachments		
HCA	Approval (For Office Use Only) -	Approval Expires on 02/07/202	9 72	
Date:	2/7/2023	OSP-0292	F	
Name	e: Mohammad Aliaari		Title:	Senior Structural Engineer
Speci	al Seismic Certification Valid Up to: Si	ps (g) = 2.5	z/h =	0
Cond	ition of Approval (if applicable):	DATE: 02/07/2023		
		PRVIA BUILDING COS	022	

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Table 1. Alpha Industrial Power Certified Component Matrix

	Dimen	sions (mm/i	n)		
Part Number	Length mm/ in.	Width mm/ in.	Height mm/ in.	Weight (kg/lb)	Tested/ Interpolated
	ACS	125HP Ch	arger		
ACS16175208416107	600/23.62	679/26.75	1,031/40.58	121/268	Tested UUT 3
	FOR	CODE			
	0				

a) See Table 2 below for nomenclature or model number guide

b) Val	ues above apply to Sds=2.5; z/h=0 OSP-0292
	BY: Mohammad Aliaari
C	DATE: 02/07/2023
Ó	o and a second second
	VIA BUILDING COV
	BUILDING

Table 2

ACS Charger Part Number Convention

Tested Unit	ACS	1	6	175	208	4	1	6	1	0	7
Generic Unit	ACS	Α	В	С	D	Ε	F	G	н	1	J

Box	ST	Description	Interpolation
176331-2	2000	Phase	
A	1	Single Phase	Tested
	3	3 Phase	Wiring
		Nominal DC OutputVoltage	
	1	12 Vdc	N/A
	2	24 Vdc	N/A
	3	36 Vdc	N/A
	4	48 Vdc ODE	N/A
	5	72 Vdc	N/A
в	6	125 Vdc	Tested
	7	144 Vdc	N/A
	8	250 Vdc	AWA
	9	380 Vdc	N/A
14	0	480 Vdc P-0292	N/A
R	A	600 Vdc	N/A
	В	DualChargers	N/A
	BY	Nominat DC Output Current	
С			Number of modules
		Output ADC=xxx	(max was tested)
D		TE. UZIUTIZUZO	Software
AV		Input VAC=xxx	S V
		Options	Omitted
	1	DC Breaker Individual Alarm Relays	Omitted
			Omitted
	13	High Voltage Shutdown	Tested
	4	DC Breaker + Indiy, Alarm Relays + High Voltage Shutdown	Tested
E	5	DC Breaker + High Voltage Shutdown	Omitted
	6	DC Breaker + Individual Alarm Relays	Omitted
	7	High Voltage Shutdown + Individual Alarm Relays	Omitted
	0	None of these	Omitted
	- Contraction	Parallel Capability	
F	1	Parallel Capability	Tested
	0	Single Capability	N/A

Table J2: ACS Options

[2	3	Options	
		1	AC Input Meters + RS232 + Load Disconnect	N/A
		2	AC Input Meters + RS232	N/A
	G	3	AC Input Meters + Load Disconnect	N/A
	<u>.</u>	4	RS 232 + Load Disconnect	N/A
		5	AC Input Meters	N/A
		6	RS 232	Tested
		7	Load Disconnect	N/A
		0	Noneofthese	Omitted
	22	2	Cabinet Type	
		1	NEMA 1 with built-in battery compartment& DC panel	Tested
		2	NEMA 3R with built-in battery compartment & DC panel	N/A
		3	NEMA 12 with built-in battery compartment & DC panel	NIA
	REL	4	NEMA 1 with built-in battery compartment	NA
		5	NEMA 3R with built-in battery compartment	N/A TT
		6	NEMA 12 with built in battery a a l	N/A
		7	NEMA 1 with DC panel	N/A
		8	NEMA 3R With DC panel 023	N/A
	- y	9	NEMA 12 with DC panel	N/A
	I I	0	NEMA 3R or 12 Cabinet	NIA
		S	Standard NEMA 1 Cabinet	NA
			Number of Circuit Breakers	
		A//		N/A N/A
		В	RHITI DING	N/A
		C D	4 DUILDING	N/A
		E	8	N/A
		F	10	N/A
		G	3	N/A
	1	н	5	N/A
		J	7	N/A
		к	9	N/A
		L	11	N/A
		M	21	N/A
		N	22	N/A
		P	24	N/A
		0	No Circuit Breaker	Tested
			Cabinet Size	
	J	6	XL ACS	N/A
	0.000	7	StandardACS	Tested

1965A 33rd Street

Boulder, CO 80301 (303)443-7580

UUT #3

Unit Under Test (UUT) **Summary Sheet**

ANCO Project Number: 3325.01

Manufacturer:	Alpha Industrial Power Inc
Model Line:	AlphaRac Battery Racks and Cabinets
Model Number:	ACS16175208416107
Product	120V backup battery bank charger system contained in a manufacturer rack housing
Construction	
Summary:	
Options/	Standard input and output breakers with 5 charger modules and controller installed for full
Subcomponent	wattage charging. 208VAC/1PH, 125VDC, 175A, ACS
Summary:	EORCODECO
	IIIIT Properties

Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)					
	Depth 4	Width	h Height		Front-B	ack	Side-Side	Vertical	
268	23.5	27		40.5	22.5		16	>33	
	4	UUT Hi	ghest P	assed Seism	ic Run Inform	ation			
Building Code	Test Criteria	S _{DS}	z/h	P	A _{FLX-H}	A _{RIG-}	A A _{FLX-V}	A _{RIG-V}	
CBC 2019	ICC-ES AC-156	2.5	0	1.5	2.5	1.0	1.68	0.68	
Test Mounting	Details:	BA	Mor	nammad	Allaari			•	



Rack bolted to plate using four 3/8"-16 bolts with standard washers (one bolt in each corner) Unit full of contents during tests, units maintained structural integrity and functionality after test.

Form: UUT, revision 0.0

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