



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0884

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: Xiamen Ampace Technology Limited

Manufacturer's Technical Representative: Liang Yunzhao

Mailing Address: No.600 Hongtang Road, Tongxiang High-tech Zone, Torch High-tech District, Xiamen City, Fujian Province, P.R. China

Telephone: +86 (592) 395-2222

Email: XMTVL-Certification@Ampacetech.com

Product Information

Product Name: Lithium Ion Battery System

Product Model Number(s): Varies. See Attachment

Product Category: UPS and Batteries

Product Sub-Category: Batteries

General Description: Lithium Ion Battery System

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Pre Compliance

Contact Person: Galen Reid

Mailing Address: 324 NW Hill St., Bend, OR 97703

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal & Program Manager



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

Company Name: PRE COMPLIANCE

Name: Andrew Coughlin

California License Number: S6082

Mailing Address: 324 NW Hill St, Bend, OR 97703

Telephone: (415) 635-8461

Email: Andy@go-pre.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: CHINA TELECOMMUNICATION TECHNOLOGY LABS (CTTL)

Contact Person: Ying Deng

Mailing Address: 299 Tengfei Road, Lianchi District, Baoding City Hebei Province 000000

Telephone: (8603) 126-7989

Email: dengying1@caict.ac.cn

BY: Mohammad Karim

DATE: 01/26/2026



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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), $g =$ 3.20 (A Rig-H), $g =$ 2.15

Vertical (A Flx-V), $g =$ 1.67 (A Rig-V), $g =$ 0.67

SDS (Design spectral response acceleration at short period, g) = 2.50 @ $z/h = 0$; 2.00 @ $z/h = 1$

H_f (Force amplification height factor) = 1 @ $z/h = 0$; 3.5 @ $z/h = 1$

R_u (Structure ductility reduction factor) = 1 @ $z/h = 0$; 1.3 @ $z/h = 1$

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 01/26/2032

Date: 1/26/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0884

BY: Mohammad Karim

DATE: 01/26/2026



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1, R_\mu=1.3, H_f=3.5$
 $S_{DS} = 2.50g$ for $z/h=0, R_\mu=1.0, H_f=1.0$ $I_p=1.5$

Building Codes

CBC 2025

TABLE 1

Mounting Configuration: Base Mounted - Rigid

Construction Summary

Carbon steel cabinet

Options Summary

7-12 Battery Cells


[illegible]



SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

$S_{DS} = 2.50g$ for $z/h=0, R_\mu=1.0, H_f=1.0$

Table Description: Electrical Components

Technology Limited		
Xiamen Hongfa Acoustic Co. Ltd.	HFE88P-800/1000-24- HA-C5-6	10
FDK Corporation	HVC43-150A-24	10
Hangzhou Xuzhiyuan Technology Co., Ltd	AI120-6DB24	Input: 18 120W,
Hangzhou Xuzhiyuan Technology Co., Ltd	AI120-B24S	Input: 90 120W,
Nader	NDB2-63D5/2	
BY: Mohammad Karim		
DATE: 01/26/2026		
		



SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY



SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 1

Test Report# 25T04X801579-001

Manufacturer: Xiamen Ampace Technology Limited
Model Line: Lithium Ion Battery System
Model Number: U-S61492SA1
Serial Number: N/A

Highest Passed Test Level

S_{DS}	z/h	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
2.50	0.0	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
35	23.6	80.7	1843

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
8.79	4.49	21.09

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

Cabon steel cabinet.
12 battery cells.

UUT Mounting Details:



List of Included Subcomponents

[illegible]

UUT was rigid base mounted using (5) Grade 8.8 M12 screws.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



COMPLIANCE

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

Pre No. CC251800-01-R0

UUT 2

Test Report# 25T04X801580-001

Manufacturer: Xiamen Ampace Technology Limited
Model Line: Lithium Ion Battery System
Model Number: U-S35892SA1
Serial Number: N/A

Highest Passed Test Level

S_{DS}	z/h	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
2.50	0.0	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
35	23.6	80.7	1288

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
9.77	5.14	22.27

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

Cabon steel cabinet.
7 battery cells.

UUT Mounting Details:

List of Included Subcomponents

[illegible]

UUT was rigid base mounted using (5) Grade 8.8 M12 screws.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.