



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-0866

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: FranklinWH Energy Storage Inc.

Manufacturer's Technical Representative: Jane Xu

Mailing Address: 1731 Technology Drive , Suite 530, San Jose, CA 95110

Telephone: (135) 109-9756

Email: zhen.xu@franklinwh.com

Product Information

Product Name: Electrical Energy Storage System

Product Model Number(s): Varies. See Attachment

Product Category: UPS and Batteries

Product Sub-Category: Energy Storage Systems (ESS)

General Description: Electrical Energy Storage System

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: None

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: 09/23/2025



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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) = 2.00 @ $z/h = 1$; 2.50 @ $z/h = 0$

H_f (Force amplification height factor) = 3.5 @ $z/h = 1$; 1.0 @ $z/h = 0$

R_u (Structure ductility reduction factor) = 1.3 @ $z/h = 1$; 1.0 @ $z/h = 0$

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 09/23/2031

Date: 9/23/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0866

BY: Mohammad Karim

DATE: 09/23/2025



Manufacturer: FranklinWH Energy Storage Inc.
Product Type: Batteries
Model Line: Electrical Energy Storage System

$S_{DS} = 2.00g$ for $R_\mu=1.3, H_f=3.5$
 $S_{DS} = 2.50g$ for $R_\mu=1.0, H_f=1.0$

CBC 2025

Mounting Configuration: Wall Mounted - Rigid

AL5052 Aluminum Enclosures


"y" in the model name could be A-Z, 0-9, "-", or blank, which is for market purpose only. No physical difference.

Model	Max. Dimensions (in)			Wt. (lb)
	D	W	H	
Power Syyy	29.5	11.8	45.2	381
Power Xyyy	29.5	11.8	45.2	357
aGate X	21.7	6.3	31.5	51

OSP-0866

BY: Mohammad Karim

DATE: 09/23/2025





PRE
COMPLIANCE

SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

Pre No. CC251748-01-R0

[illegible]

Notes:

¹CAICT = China Academy of Information and Communications Technology

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 1

Test Report# 25T04X81102-001-V2

Manufacturer: FranklinWH Energy Storage Inc.
Model Line: Electrical Energy Storage System
Model Number: aPower S-10
Serial Number: 10050019S00X25110024

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
2.5	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.5	11.8	45.2	381

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

AL5052 Aluminum Enclosure

UUT Mounting Details:

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UUT was rigid wall mounted using (4) Grade 8.8 M6 bolts.

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

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 2

Test Report# 25T04X81101-00-V1
(UUT1)

Manufacturer: FranklinWH Energy Storage Inc.
Model Line: Electrical Energy Storage System
Model Number: aPower X-20
Serial Number: 10050015A00X25260776

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
2.5	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.5	11.8	45.2	357

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

AL5052 Aluminum Enclosure

UUT Mounting Details:



UUT was rigid wall mounted using (4) Grade 8.8 M6 bolts.

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

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 3

Test Report# 25T04X81101-001-V1
(UUT2)

Manufacturer: FranklinWH Energy Storage Inc.
Model Line: Electrical Energy Storage System
Model Number: aGate X
Serial Number: 10060005A02X24400029

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
2.5	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
21.7	6.3	31.5	51

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

AL5052 Aluminum Enclosure

UUT Mounting Details:



UUT was rigid wall mounted using (4) Grade 8.8 M6 bolts.

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