

Title: Principal & Program Manager

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

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY				
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0866				
HCAI Special Seismic Certification Preapproval (OSP)					
Type: X 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@franklin	wh.com				
Product Information					
Product Name: Electrical Energy Storage System	70.				
Product Model Number(s): Varies. See Attachment					
Product Category: UPS and Batteries	12				
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	O.				
Mailing Address: 324 NW Hill St., Bend, OR 97703					
Telephone: (541) 241-2310 Email: galen@go-pre.coi	m				

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



"A healthier California where all receive equitable, affordable, and quality health care"



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

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 97	703
Telephone: (415) 635-8461	Email: Andy@go-pre.com
Certification Method	
GR-63-Core X ICC-ES AC15	6
Other (Please Specify):	
	
Testing Laboratory	
Company Name: CHINA TELECOMMUNICATI	ON TECHNOLOGY LABS (CTTL)
Contact Person: Ying Deng	LICA HILLS
Mailing Address: 299 Tengfei Road, Lianchi Di	strict, Baoding City Hebei Province 000000
Telephone: (8603) 126-7989	Email: dengying1@caict.ac.cn
D	/: Mohammad Karim
O	, World Hillau Kallill
	ATE: 09/23/2025
Z	12.00/20/20/20/20/20/20/20/20/20/20/20/20/2
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Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

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

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

Ru (Structure ductility redution factor) = 1.3 @ z/h = 1; 1.0 @ z/h = 0

Ip (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):

BY: Mohammad Karim

DATE: 09/23/2025



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SPECIAL SEISMIC CERTIFICATION **CERTIFIED COMPONENTS**

Manufacturer:

FranklinWH Energy Storage Inc.

Building Codes

Product Type:

Batteries

 S_{DS} = 2.00g for $~R_{\mu}\text{=}1.3,\,H_{\text{f}}\text{=}3.5$ $S_{DS} = 2.50g$ for $R_u = 1.0$, $H_f = 1.0$

 $I_{p} = 1.5$

CBC 2025

Model Line:

Electrical Energy Storage System

Seismic Parameters

Mounting Configuration: Wall Mounted - Rigid

Construction Summary

Options Summary

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.

Barry Barr	Model Line	Model	Max. Dimensions (in)		Wt.	Notes	UUT	
Storage System aPower Xyyy 29.5 11.8 45.2 357 2 2 357 31.5 51 5 5 5 5 5 5 5 5	Woder Line						Notes	
Storage System	Floatrical Energy	aPower Syyy	29.5			381		1
BY: Mohammad Karim DATE: 09/23/2025	Storage System					357		2
DATE: 09/23/2025	Storage System	aG <mark>ate X</mark>	21.7	6.3	31.5	51	Smart Switch	3
DATE: 09/23/2025		14	OSF	P-086	6		C	
DATE: 09/23/2025		TY		7/11				
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SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

UUT	Model	Test Report	Test Date	Test Laboratory ¹	S _{DS}	R_{μ}	H _f	I _p
1	aPower S-10	25T04X81102-001-V2	7/8/2025 - 7/9/2025	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
2	aPower X-20	25T04X81101-001-V1 (UUT1)	7/10/2025	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
3	aGate X	25T04X81101-001-V1 (UUT2)	7/10/2025	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
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				A PARTIE TO THE				
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		DATE	· 09/23	2025				
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		Op		NG COV.				
		ORNIA E	BUILDI	NG CO.				

Notes:

¹CAICT = China Academy of Information and Communications Technology

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SPECIAL SEISMIC CERTIFICATION **UUT SUMMARY**

Test Report# 25T04X81102-001-V2

Manufacturer: FranklinWH Energy Storage Inc. **Model Line: Electrical Energy Storage System**

aPower S-10 **Model Number:**

Serial Number: 10050019S00X25110024

Highest Passed Test Level									
S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	\mathbf{A}_{rig-h}	A_{flx-v}	\mathbf{A}_{rig-v}		
2.0	1.3	3.5	15	3 20	2.15	1 67	0.67		
2.5	1.0	1.0	1.5	3.20	2.13	1.07	0.07		

Dimensions/Weights

Height (in) Depth (in) Width (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

Pre Compliance

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.

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SPECIAL SEISMIC CERTIFICATION **UUT SUMMARY**

25T04X81101-00-V1 UUT 2 Test Report#

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} H_{f} $A_{\text{flx-h}}$ A_{rig-h} $\boldsymbol{A}_{\text{flx-v}}$ R_{μ} A_{rig-v} 2.0 1.3 3.5 3.20 2.15 1.67 0.67 2.5 1.0 1.0

Dimensions/Weights

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

Lowest Natural Frequency (Hz)

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

Building Codes

Pre Compliance

CBC 2025

Test Criteria ICC-ES AC156 **Construction/Option Summary**

AL5052 Aluminum Enclosure

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.

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SPECIAL SEISMIC CERTIFICATION **UUT SUMMARY**

25T04X81101-001-V1 Test Report#

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	l _p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}	
2.0	1.3	3.5	15	3 20	2.15	1 67	0.67	
2.5	1.0	1.0	1.5	3.20	2.13	1.07	0.07	

Dimensions/Weights

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

Lowest Natural Frequency (Hz)

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

Building Codes

CBC 2025

Pre Compliance

Test Criteria

ICC-ES AC156

Construction/Option Summary

AL5052 Aluminum Enclosure

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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.