

Title: Principal & Program Manager

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

| ADDITION FOR HOAT SPECIAL SEISMIC  | OFFICE USE ONLY         |  |  |  |  |  |
|--|-------------------------|--|--|--|--|--|
| APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)                 | APPLICATION #: OSP-0860 |  |  |  |  |  |
| HCAI Special Seismic Certification Preapproval (OSP)                                 |                         |  |  |  |  |  |
| Type: X New Renewal  |                         |  |  |  |  |  |
| Manufacturer Information   |                         |  |  |  |  |  |
| Manufacturer: Eaton Corporation  |                         |  |  |  |  |  |
| Manufacturer's Technical Representative: Don Caulfield                               |                         |  |  |  |  |  |
| Mailing Address: 3301 Spring Forest Road, Raleigh, NC 27616                          |                         |  |  |  |  |  |
| Telephone: (919) 871-1972 Email: DonaldCaulfield@ea                                  | aton.com                |  |  |  |  |  |
| Product Information  |                         |  |  |  |  |  |
| Product Name: LG JP5 Lithium-Ion Battery Cabinet                                     |                         |  |  |  |  |  |
| Product Model Number(s): Varies. See Attachment                                      |                         |  |  |  |  |  |
| Product Category: UPS and Batteries  | 12                      |  |  |  |  |  |
| Product Sub-Category: Batteries  |                         |  |  |  |  |  |
| General Description: Lithium-Ion Battery Cabinet with or without BBMS or side panels |                         |  |  |  |  |  |
| Mounting Description: Base Mounted Rigid   |                         |  |  |  |  |  |
| Tested Seismic Enhancements: None 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                                    |                         |  |  |  |  |  |

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

| California Licensed Structu    | ural Engineer Responsible for the Engineering and Test Report(s) |
|--------------------------------|--|
| Company Name: PRE COMPL        | IANCE  |
| Name: Andrew Coughlin          | California License Number: S6082                                 |
| Mailing Address: 324 NW Hill S | St, Bend, OR 97703   |
| Telephone: (415) 635-8461      | Email: Andy@go-pre.com   |
| Certification Method           |  |
| GR-63-Core                     | ] ICC-ES AC156   |
| Other (Please Specify):        |  |
| Testing Laboratory             |  |
| Company Name: UNIVERSITY       | OF BUFFALO (SEESL)   |
| Contact Person: Yushan Fu      |  |
| Mailing Address: 212 Ketter Ha | all, Buffalo NY 14260  |
| Telephone: (716) 645-4377      | Email: yushanfu@buffalo.edu                                      |
|                                | O BY: Mohammad Karim   |
|                                | DATE: 10/16/2025   |

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

### **Seismic Parameters**

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal (A Flx-H), g= 1.52 (A Rig-H), g= 0.61

Vertical (A Flx-V), g= 1.02 (A Rig-V), g= 0.41

SDS (Design spectral response acceleration at short period, g) = 1.52

Hf (Force amplification height factor) = 1.0

Ru (Structure ductility redution factor) = 1.0

Ip (Importance factor) = 1.5

z/h (Height ratio factor) = 0

### HCAI Approval (For Office Use Only) - Approval Expires on 10/16/2031

Date: 10/16/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

BY: Mohammad Karim

DATE: 10/16/2025





STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



## SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Manufacturer: Eaton Corporation

**Seismic Parameters** 

**Building Codes** 

**Product Type:** • •

Model Line:

**Batteries** 

LG JP5 Lithium-Ion Battery Cabinet

 $S_{DS} = 1.52g \text{ for } R_{\mu} = 1.0, H_f = 1.0$ 

 $I_{n}=1.5$ 

**CBC 2025** 

TABLE 1

Mounting Configuration: Base M

**Base Mounted - Rigid** 

**Construction Summary** 

**Options Summary** 

Carbon steel enclosure

With or without BBMS or side panels

| Model Line | Model                        | Max. [   | Dimensio<br>W | ons (in)<br>H                         | Wt.<br>(lb)  | Notes  | UUT |
|------------|------------------------------|----------|---------------|---------------------------------------|--------------|--|-----|
| LG JP5     | ERTE108HI201<br>ERTE108HI202 | 21<br>21 | 26<br>26      | 96<br>96                              | 1755<br>1704 | w/BBMS & 2 side panels w/out BBMS and no side panels | 1 2 |
|            | O BY                         | OS       | P-086         | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |              | W/out BBMS and no side panels                        | 2   |
|            | PAI                          | 4 BU     |               | NG (                                  |              |  |     |
|            |                              |          |               |                                       |              |  |     |
|            |                              |          |               |                                       |              |  |     |

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### SPECIAL SEISMIC CERTIFICATION **CERTIFIED SUBCOMPONENTS**

Manufacturer: **Eaton Corporation**  **Seismic Parameters** 

**Building Codes** 

**Product Type:** 

**Model Line:** 

**Batteries** 

LG JP5 Lithium-Ion Battery Cabinet

 $S_{DS} = 1.52g \text{ for } R_{\mu} = 1.0, H_f = 1.0 I_p = 1.5$ 

**CBC 2025** 

TABLE 2

**Table Description: Electrical Subcomponents** 

| Component<br>(Manufacturer) | Model        | Description                | Notes | UUT |
|-----------------------------|--------------|----------------------------|-------|-----|
| Battery Module<br>(Eaton)   | EP059062PEF1 | Lithium-ion battery module |       | 1,2 |
| BPU                         | EEA00768AA   | Battery Protection Unit    |       | 1   |
| (Eaton)                     | EEA00767AA   | Battery Protection Unit    |       | 1,2 |
| Enclosure<br>(Eaton)        | MRK00556AC   | OSP-086U                   |       | 1,2 |
|                             | O BY:        | Mohammad Karim O           |       |     |
|                             | DA DA        | TE: 10/16/2025             |       |     |
|                             |              |                            |       |     |

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# SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

| UUT    | Model        | Test Report    | Test Laboratory   | S <sub>DS</sub> | Rμ  | H <sub>f</sub> | I <sub>p</sub> |
|--------|--------------|----------------|---|-----------------|-----|----------------|----------------|
| 1      | ERTE108HI201 | TR241632-01-R0 | Structural Engineering and<br>Earthquake Simulation<br>Laboratory (SEESL) | 1.63            | 1.0 | 1.0            | 1.5            |
| 2      | ERTE108HI202 | TR241632-01-R0 | Structural Engineering and<br>Earthquake Simulation<br>Laboratory (SEESL) | 1.52            | 1.0 | 1.0            | 1.5            |
|        | REVIEW       | OSP-086        |   |                 |     |                |                |
|        |              | DATE: 10/16    | 2025  |                 |     |                |                |
|        |              |                |   |                 |     |                |                |
| Notes: |              |                |   |                 |     |                |                |

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### SPECIAL SEISMIC CERTIFICATION **UUT SUMMARY**

UUT

Test Report# TR241632-01-R0

Manufacturer: **Eaton Corporation** 

**Model Line:** LG JP5 Lithium-Ion Battery Cabinet

Model Number: ERTE108HI201

Serial Number: ERTE108HI201RFA2412241004\_01 **Highest Passed Test Level** 

SDS  $R_{\mu}$  $H_{f}$ l<sub>p</sub>  $A_{\mathsf{flx-h}}$  $A_{riq-h}$  $\mathbf{A}_{\mathsf{flx-v}}$  $\mathbf{A}_{\text{rig-v}}$ 

1.63 1.5 1.63 0.65 1.09 0.44 1.0 1.0

**Dimensions/Weights** 

Depth (in) Width (in) Height (in) Weight (lbs.) 21 26 96 1755

**Lowest Natural Frequency (Hz)** 

Front-Back Side-Side Vertical 3.4 10.9 7.6

**Building Codes** 

**Test Criteria** 

Construction/Option Summary

**List of Included Subcomponents** 

LG JP5 w/BBMS & 2 side panels Carbon steel enclosure

CBC 2025

ICC-ES AC156

### **UUT Mounting Details:**



| <mark>Description</mark>    | Model #      |
|-----------------------------|--------------|
| attery M <mark>odule</mark> | EP059062PEF1 |

BPU (qty: 1) EEA00768AA BPU (qty: 1) EEA00767AA MRK00556AC Enclosure 10/16/2025

UUT was rigid base mounted using (4) 5/8" Grade 8 bolts and washers.

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**

UUT 2

Test Report# TR241632-01-R0

Manufacturer: **Eaton Corporation** 

**Model Line:** LG JP5 Lithium-Ion Battery Cabinet

Model Number: ERTE108HI202

Serial Number: ERTE108HI202RFA2501081001\_01 **Highest Passed Test Level** 

SDS  $R_{\mu}$  $H_{f}$  $A_{flx-h}$  $A_{riq-h}$  $\mathbf{A}_{\text{rig-v}}$  $A_{flx-v}$ 

1.5 1.52 0.60 1.01 0.41 1.52 1.0 1.0

**Dimensions/Weights** 

Depth (in) Width (in) Height (in) Weight (lbs.) 21 26 96 1704

**Lowest Natural Frequency (Hz)** 

Front-Back Side-Side Vertical 3.0 3.3 26.9

**Building Codes** 

**Test Criteria** 

Construction/Option Summary

LG JP5 w/out BBMS and no side panels Carbon steel enclosure

List of Included Subcomponents

CBC 2025

ICC-ES AC156

#### **UUT Mounting Details:**



| Description    | Model #      |
|----------------|--------------|
| Battery Module | EP059062PEF1 |
| BPU (qty: 2)   | EEA00767AA   |
| Enclosure      | MRK00556AC   |
|                |              |

UUT was rigid base mounted using (4) 5/8" Grade 8 bolts and washers.

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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