



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0155

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Eaton Corporation

Manufacturer's Technical Representative: Virginia (Ginny Snyder)

Mailing Address: 8609 Six Forks Road, Raleigh, NC 27615

Telephone: (919) 870-3482 Email: VirginiaASnyder@eaton.com

Product Information

Product Name: UPS and Batteries

Product Type: UPS

Product Model Number: See Attachment

General Description: Uninterruptible power supplies and accessories per UL 1778 and qualified for use in Emergency systems per UL 924.

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: None

Applicant Information

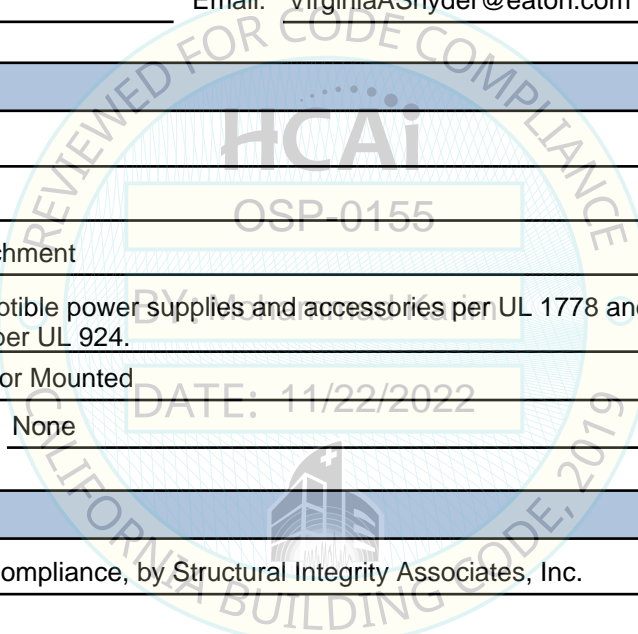
Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Galen Reid

Mailing Address: 233 SW Wilson Ave., Suite 101, Bend, OR 97702

Telephone: (541) 604-7225 Email: greid@structint.com

Title: Director, TRU Compliance





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

Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025
Telephone: (415) 635-8461 Email: acoughlin@structint.com

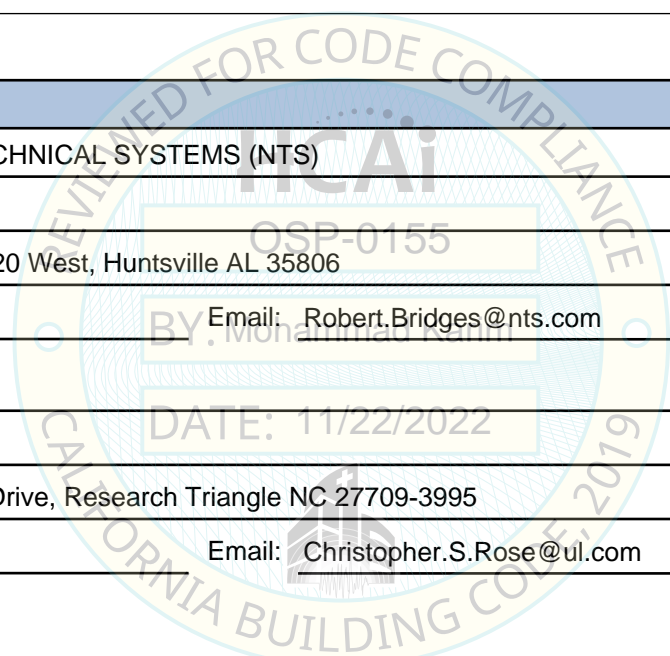
Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify):

Testing Laboratory

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)
Contact Person: Robert Bridges
Mailing Address: 7800 Highway 20 West, Huntsville AL 35806
Telephone: (256) 837-4411 Email: Robert.Bridges@nts.com

Company Name: UL LLC
Contact Person: Chris Rose
Mailing Address: 12 Laboratory Drive, Research Triangle NC 27709-3995
Telephone: (919) 549-1400 Email: Christopher.S.Rose@ul.com





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.44 (SDS = 2.0g); 1.44 (SDS = 3.2g)

SDS (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1.0); 3.2 (z/h = 0.0)

a_p (Amplification factor) = 1.0

R_p (Response modification factor) = 2.5

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

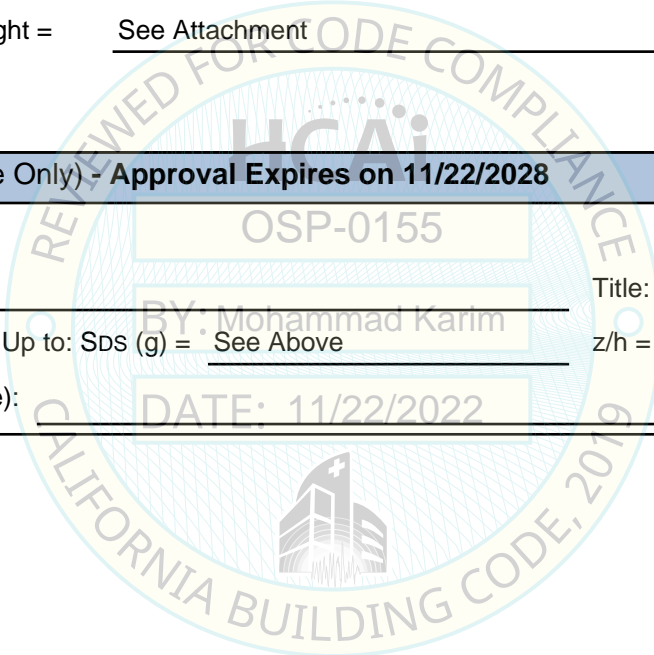
HCAI Approval (For Office Use Only) - Approval Expires on 11/22/2028

Date: 11/22/2022

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 11/22/2022



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1900087-CR-001-R1



Manufacturer: Eaton Corporation						TABLE 1	
Model Line: 9PX/9SX/5SC							
Certified Product Construction Summary: Powdercoated Carbon Steel NEMA 1 Enclosure.							
Certified Options Summary:							
Mounting Configuration: Base mounted - rigid using Eaton Seismic Floor Mount "SMKITA" Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2022		Seismic Certification Limits:			$S_{DS} = 2.0g$ $z/h=1.0$	$I_p = 1.5$	
					$S_{DS} = 3.2g$ $z/h=0.0$		
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
9PX (208/230/240V)	9PX3000RTN	23.8	3.4	17.3	64		Interp.
	9PX3000GLRT	23.8	3.4	17.3	64	UUT27: Standalone	26, 27
	9PX5K	28.4	5.1	17.3	105		Interp.
	9PX6K	28.4	5.1	17.3	105		17
	9PX8K	32.0	10.2	17.3	193		4
	9PX11K	32.0	10.2	17.3	193	Identical to 9PX8K	Interp.
9PX (Extended Battery Modules)	9PXEBM36RT	17.7	3.4	17.3	48		Interp.
	9PXEBM48RT	17.7	3.4	17.3	59		Interp.
	9PXEBM72RT	23.8	3.4	17.3	89		26
	9PXEBM180RT	25.4	5.1	17.3	146		20
9SX (120V)	9SX700	13.9	6.3	9.9	26		21
	9SX1000	15.1	6.3	9.9	31		Interp.
	9SX1500	17.1	6.3	9.9	42		Interp.
	9SX1500	16.2	8.4	13.6	76		22
	9SX3000	16.2	8.4	13.6	77		Interp.
9SX (208V)	9SX1000G	15.1	6.3	9.9	33		23
	9SX1500G	17.1	6.3	9.9	41		24
	9SX2000G	16.2	8.4	13.6	75		Interp.
	9SX3000G	16.2	8.4	13.6	75	C13 and C19 Outlet Receptacles	25
	9SX3000GL	16.2	8.4	13.6	75	L6-Outlet Receptacles	Interp.
5SC	5SC500	10.30	9.28	8.20	15		Interp.
	5SC750	14.30	9.28	8.20	23		Interp.
	5SC1000	15.52	9.28	8.25	24		29
	5SC1000i-Z3	15.52	9.28	8.25	24		Interp.
	5SC1500	17.40	9.28	8.25	34		28

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

1900087-CR-001-R1



Manufacturer: Eaton Corporation	Table Description: Electronics	TABLE 2
Model Line: 9PX/9SX/5SC		

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0 g$ $z/h = 1.0$ $I_p = 1.5$
 $S_{DS} = 3.2 g$ $z/h = 0.0$

Component Type	Manufacturer	Model	Description	Notes	UUT
Battery	B&B Battery	HR5.5-12	Lead acid, 12V, 5Ah, UL1989		17, 20
	CSB	HR1234WF2	Lead acid, 12V, 9Ah, UL1989		4
	Leoch	DJW12-9.0	Lead acid, 12V, 9Ah, UL1989		21-27
		PWHR1234W2FR	Lead acid, 12V, 9Ah, VRLA		28, 29
Bypass Switch	Eaton	MBP11K208	208VAC, Rear-mount Maintenance Bypass		4
Battery Enclosure	Eaton	9PXEBM240RT	240V, Carbon Steel, Supports Lead Acid		4
Network Card	Eaton	Network-M2	PCB		25, 27
Printed Circuit Board Assembly (PCBA)	Eaton	710-15919-10P	Main Power Circuit		28, 29
		710-15920-05P	Communications Circuit		28, 29
LCD Display	Eaton	126-00187-00	LCD Screen		28, 29

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation
Model Line: 9PX/9SX/5SC

UUT	Unit Description	Report Number (UUT #)	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _p
4	9PX8K Kit	R10964174 Rev.1	UL LLC	2015	No ¹	2.0 3.2	1.0 0.0	1.5
17	9PX6K	71152R13-1	NTS-Huntsville (Wyle Laboratories)	2013	Yes	3.2	1.0	1.5
20	9PXEBM180RT	71152R13-1	NTS-Huntsville (Wyle Laboratories)	2013	Yes	3.2	1.0	1.5
21	9SX700	R12717216 Rev.1 (UUT 1)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
22	9SX2000	R12717216 Rev.1 (UUT 2)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
23	9SX1000G	R12717216 Rev.1 (UUT 3)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
24	9SX1500G	R12717216 Rev.1 (UUT 4)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
25	9SX3000G w/ Network - M2	R12717216 Rev.1 (UUT 5 and UUT 9)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
26	9PX3000GLRT & 9PXEBM72RT	R12717216 Rev.1 (UUT 6 and UUT 8)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
27	9PX3000GLRT w/ Network - M2	R12717216 Rev.1 (UUT 7 and 10)	UL LLC	2019	No ¹	2.0 3.2	1.0 0.0	1.5
28	5SC1000	PR041213-TR-16 (UUT24)	NTS-Huntsville (Wyle Laboratories)	2016	Yes	2.58	1.0	1.5
29	5SC1500	PR041213-TR-16 (UUT25)	NTS-Huntsville (Wyle Laboratories)	2016	Yes	2.58	1.0	1.5

Notes:
1. UL LLC was not ISO 17025 accredited at the time of testing but has been reviewed by TRU Compliance and found to meet the requirements for ICC-ES AC156 testing. Review form is on file with TRU Compliance.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 4
Model Line: 9PX	
Model Number: 9PX8K Kit Serial Number: G219F26048KIT	

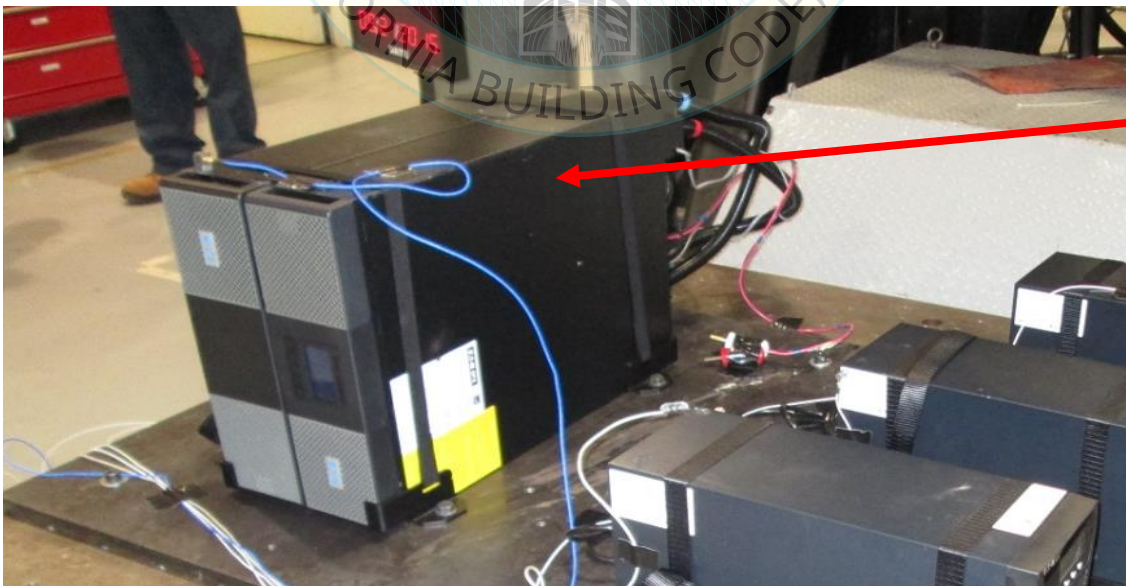
Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: CSB (HR1234WF2); **Bypass Switch:** Eaton (MBP11K208); **Battery Enclosure:** Eaton (9PXEBM240RT)

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
193	32.0	10.2	17.3	>33.33	16.53	>33.33

<i>UUT Highest Passed Seismic Run Information</i>									
Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2022	ICC-ESAC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85	
		3.2	0.0						

Test Mounting Details: (Test Report: R10964174)



UUT 4

UUT4 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 17
Model Line: 9PX	
Model Number: 9PX6K Serial Number: G205D26018	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: B&B Battery (HR5.5-12)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
105	28.4	5.1	17.3	>33.3	11.0	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	3.2	1.0	1.5	5.12	3.84	2.14	0.86

Test Mounting Details: (Test Report: 71152R13)



UUT17 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 20
Model Line: 9PX	
Model Number: 9PXEBM180RT Serial Number: G216D24023	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: B&B Battery (HR5.5-12)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
146	25.4	5.1	17.3	>33.3	10.0	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	3.2	1.0	1.5	5.12	3.84	2.14	0.86

Test Mounting Details: (Test Report: 71152R13)



UUT20 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 21
Model Line: 9SX	
Model Number: 9SX700 Serial Number: PC21J38557	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0); Input 5-15P, Output (6) 5-15R

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
26	13.9	6.3	9.9	>33.3	>33.3	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85
		3.2	0.0					

Test Mounting Details: (Test Report: 71152R13)(UUT1)



UUT21 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 22
Model Line: 9SX	
Model Number: 9SX2000 Serial Number: PC24J37235	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0); Input L5-20P, Output (6) 5-20R, (1) L5-20R

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
76	16.2	8.4	13.6	>33.3	>33.3	>33.3

<i>UUT Highest Passed Seismic Run Information</i>									
Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85	
		3.2	0.0						

Test Mounting Details: (Test Report: R12717216)(UUT2)



UUT22 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 23
Model Line: 9SX	
Model Number: 9SX1000G Serial Number: PC27J36110	

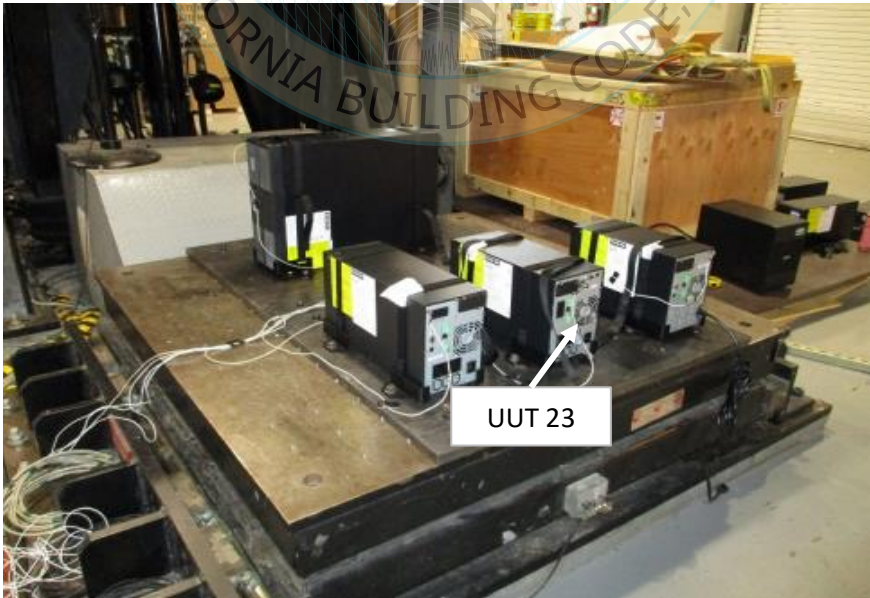
Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0); Input C14, Output (6) 5-15R

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
33	15.1	6.3	9.9	>33.3	>33.3	>33.3

<i>UUT Highest Passed Seismic Run Information</i>									
Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85	
		3.2	0.0						

Test Mounting Details: (Test Report: R12717216)(UUT3)



UUT23 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 24
Model Line: 9SX	
Model Number: 9SX1500G Serial Number: PC28J34057	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0); Input C14, Output (8) C13

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
41	17.1	6.3	9.9	>33.3	>33.3	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85
		3.2	0.0					

Test Mounting Details: (Test Report: R12717216)(UUT4)



UUT24 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1900087-CR-001-R1

Manufacturer: Eaton Corporation	UUT 25
Model Line: 9SX	
Model Number: 9SX3000G w/ Network - M2	
Serial Number: PC30J35024	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0); Input C20, Output (8) C13 and (1) C19
Network Card: Eaton (Network-M2)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
75	16.2	8.4	13.6	>33.3	>33.3	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85
		3.2	0.0					

Test Mounting Details: (Test Report: R12717216)(UUT5 & UUT9)



UUT25 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 26
Model Line: 9PX	
Model Number: 9PX3000GLRT & 9PXEBM72RT	
Serial Number: GA25G49011 & GA32J39223	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure (ganged units).

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0)

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
152	23.8	6.8	17.3	14.80	>33.33	28.85

<i>UUT Highest Passed Seismic Run Information</i>									
Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85	
		3.2	0.0						

Test Mounting Details: (Test Report: R12717216)(UUT6 & UUT8)



UUT26 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 27
Model Line: 9PX	
Model Number: 9PX3000GLRT w/ Network - M2	
Serial Number: GA25G12002	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (DJW12-9.0); **Network Card:** Eaton (Network-M2)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
64	23.8	3.4	17.3	>33.3	17.0	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	2.13	0.85
		3.2	0.0					

Test Mounting Details: (Test Report: R12717216)(UUT7 & UUT10)



UUT27 was base mounted - rigid with Eaton Seismic Mounting Kit (SMKITA) using four (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 28
Model Line: 5SC	
Model Number: 5SC1500 Serial Number: G138E02019	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (PWHR1234W2FR); **LCD Display Assembly:** Eaton (126-00187-00);
PCBA: Eaton (710-15919-10P Main Power Circuit, 710-15920-05P Communications Circuit)

UUT Properties

Weight (lb)	Dimension (in) ¹			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
34	16.50	6.00	8.25	>33.3	18.0	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.58	1.0	1.5	4.13	3.10	1.72	0.69
		2.58	0.0					

Test Mounting Details: (Test Report: 41213-TR-16)(UUT24)



¹Dimensions do not include seismic brackets

UUT28 was base mounted - rigid with Eaton Seismic Mounting Kit (P-103001016) using four (4) 1/2" Grade 5 bolts and washers and torqued to 65 ft-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900087-CR-001-R1



Manufacturer: Eaton Corporation	UUT 29
Model Line: 5SC	
Model Number: 5SC1000 Serial Number: G137F38150	

Product Construction Summary:
Powdercoated Carbon Steel NEMA 1 Enclosure.

Options/Subcomponent Summary:
Battery: Leoch (PWHR1234W2FR); **LCD Display Assembly:** Eaton (126-00187-00);
PCBA: Eaton (710-15919-10P Main Power Circuit, 710-15920-05P Communications Circuit)

UUT Properties

Weight (lb)	Dimension (in) ¹			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
24	14.62	6.00	8.25	>33.3	18.0	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.58	1.0	1.5	4.13	3.10	1.72	0.69
		2.58	0.0					

Test Mounting Details: (Test Report: 41213-TR-16)(UUT25)



¹Dimensions do not include seismic brackets

UUT29 was base mounted - rigid with Eaton Seismic Mounting Kit (P-103001016) using four (4) 1/2" Grade 5 bolts and washers and torqued to 65 ft-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.