



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-0883

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: LS ELECTRIC

Manufacturer's Technical Representative: Ashok Kulkarni

Mailing Address: 68, Wolmyeong-ro 201beon-gil, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea

Telephone: + 82-43-261-6114.

Email: ashok.kulkarni3@gmail.com

Product Information

Product Name: LS Electric Panelboards

Product Model Number(s): LPB1-100 LPB2-600 LPB3-800 LPB-1200

Product Category: Panelboards

Product Sub-Category: Panelboards

General Description: LS Electric Planeboards 3 classes:

i) indoor wall mounted

ii) indoor floor mounted

iii) outdoor floor mounted

Mounting Description: Base/Wall Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Miyamoto

Contact Person: Amir Gilani

Mailing Address: 1450 Halyard Drive, West Sacramento, CA 95691

Telephone: (530) 400-7187

Email: agilani@miyamotointernational.com

Title: Principal



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

Company Name: MIYAMOTO INTERNATIONAL INC.

Name: Amir Gilani

California License Number: S4733

Mailing Address: 1450 Halyard Drive Suite 1, West Sacramento, CA 95695

Telephone: (916) 373-1995

Email: agilani@miyamotointernational.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)

Contact Person: Amarnath Kasalanati

Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729

Telephone: (510) 642-3437

Email: amarnath1@berkeley.edu

BY: Mohammad Karim

DATE: 09/04/2026



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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= 2.00 (A Rig-V), g= 0.80

SDS (Design spectral response acceleration at short period, g) = 2.00 above grade and 3.00 at or below grade

H_f (Force amplification height factor) = 3.5 above grade and 1.0 at or below grade

R_u (Structure ductility reduction factor) = 1.3 above grade and 1.0 at or below grade

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 09/06/2032

Date: 9/4/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0883

BY: Mohammad Karim

DATE: 09/04/2026

Table 1A: Certified UL 67 Panelboard - Wall Mounted Type - NEMA 1

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB1-N1-100-244508	Up to 480	100	Lug	24	8	47	264	UUT-1
LPB1-N1-100-246008	Up to 480	100	Lug	24	8	60	340	Interpolated
LPB1-N1-100-247508	Up to 480	100	Lug	24	8	75	394	Interpolated
LPB1-N1-100-294508	Up to 480	100	Lug	29	8	45	275	Interpolated
LPB1-N1-100-296008	Up to 480	100	Lug	29	8	60	378	Interpolated
LPB1-N1-100-297508	Up to 480	100	Lug	29	8	75	481	Interpolated
LPB1-N1-150-244508	Up to 480	150	MCCB	24	8	45	258	Interpolated
LPB1-N1-150-246008	Up to 480	150	MCCB	24	8	60	340	Interpolated
LPB1-N1-150-247508	Up to 480	150	MCCB	24	8	75	394	Interpolated
LPB1-N1-150-294508	Up to 480	150	MCCB	29	8	45	275	Interpolated
LPB1-N1-150-296008	Up to 480	150	MCCB	29	8	60	378	Interpolated
LPB1-N1-150-297508	Up to 480	150	MCCB	29	8	75	481	Interpolated
LPB1-N1-250-246008	Up to 480	250	MCCB	24	8	60	340	Interpolated
LPB1-N1-250-247508	Up to 480	250	MCCB	24	8	75	394	Interpolated
LPB1-N1-250-294508	Up to 480	250	MCCB	29	8	45	294	Interpolated
LPB1-N1-250-296008	Up to 480	250	MCCB	29	8	60	393	Interpolated
LPB1-N1-250-297508	Up to 480	250	MCCB	29	8	75	457	Interpolated
LPB1-N1-125-244508	Up to 480	125	Lug	24	8	45	258	Interpolated
LPB1-N1-125-246008	Up to 480	125	Lug	24	8	60	340	Interpolated
LPB1-N1-125-247508	Up to 480	125	Lug	24	8	75	394	Interpolated
LPB1-N1-125-294508	Up to 480	125	Lug	29	8	45	275	Interpolated
LPB1-N1-125-296008	Up to 480	125	Lug	29	8	60	378	Interpolated
LPB1-N1-125-297508	Up to 480	125	Lug	29	8	75	481	Interpolated
LPB1-N1-150-244508	Up to 480	150	Lug	24	8	45	258	Interpolated
LPB1-N1-150-246008	Up to 480	150	Lug	24	8	60	340	Interpolated
LPB1-N1-150-247508	Up to 480	150	Lug	24	8	75	394	Interpolated
LPB1-N1-150-294508	Up to 480	150	Lug	29	8	45	275	Interpolated
LPB1-N1-150-296008	Up to 480	150	Lug	29	8	60	378	Interpolated
LPB1-N1-150-297508	Up to 480	150	Lug	29	8	75	481	Interpolated
LPB1-N1-250-244508	Up to 480	250	Lug	24	8	45	258	Interpolated
LPB1-N1-250-246008	Up to 480	250	Lug	24	8	60	340	Interpolated
LPB1-N1-250-247508	Up to 480	250	Lug	24	8	75	394	Interpolated
LPB1-N1-250-294508	Up to 480	250	Lug	29	8	45	275	Interpolated
LPB1-N1-250-296008	Up to 480	250	Lug	29	8	60	378	Interpolated
LPB2-N1-400-336010	Up to 480	400	MCCB	33	10	60	395	Interpolated
LPB2-N1-400-337510	Up to 480	400	MCCB	33	10	75	531	Interpolated
LPB2-N1-400-339010	Up to 480	400	MCCB	33	10	90	609	Interpolated
LPB2-N1-400-426010	Up to 480	400	MCCB	42	10	60	504	Interpolated
LPB2-N1-400-427510	Up to 480	400	MCCB	42	10	75	579	Interpolated
LPB2-N1-600-336010	Up to 480	600	MCCB	33	10	60	448	Interpolated
LPB2-N1-600-337510	Up to 480	600	MCCB	33	10	75	533	Interpolated
LPB2-N1-600-339010	Up to 480	600	MCCB	33	10	90	610	Interpolated

Table 1A: Certified UL 67 Panelboard - Wall Mounted Type - NEMA 1

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB2-N1-600-426010	Up to 480	600	MCCB	42	10	60	504	Interpolated
LPB2-N1-600-427510	Up to 480	600	MCCB	42	10	75	579	Interpolated
LPB2-N1-600-429010	Up to 480	600	MCCB	42	10	90	726	UUT-2
LPB2-N1-400-336010	Up to 480	400	Lug	33	10	60	395	Interpolated
LPB2-N1-400-337510	Up to 480	400	Lug	33	10	75	531	Interpolated
LPB2-N1-400-339010	Up to 480	400	Lug	33	10	90	609	Interpolated
LPB2-N1-400-426010	Up to 480	400	Lug	42	10	60	504	Interpolated
LPB2-N1-400-427510	Up to 480	400	Lug	42	10	75	579	Interpolated
LPB2-N1-800D-336010	Up to 480	800	Lug	33	10	60	448	Interpolated
LPB2-N1-800D-337510	Up to 480	800	Lug	33	10	75	533	Interpolated
LPB2-N1-800D-339010	Up to 480	800	Lug	33	10	90	610	Interpolated
LPB2-N1-800D-426010	Up to 480	800	Lug	42	10	60	504	Interpolated
LPB2-N1-800D-427510	Up to 480	800	Lug	42	10	75	579	Interpolated
LPB3-N1-800-327516	Up to 480	800	MCCB	32	16	75	693	UUT-3
LPB3-N1-800-329016	Up to 480	800	MCCB	32	16	90	805	Interpolated
LPB3-N1-800-367516	Up to 480	800	MCCB	36	16	75	699	Interpolated
LPB3-N1-800-369016	Up to 480	800	MCCB	36	16	90	839	Interpolated
LPB3-N1-800-447516	Up to 480	800	MCCB	44	16	75	780	Interpolated
LPB3-N1-800-449016	Up to 480	800	MCCB	44	16	90	951	Interpolated
LPB3-N1-1200-327516	Up to 480	1,200	MCCB	32	16	75	670	Interpolated
LPB3-N1-1200-329016	Up to 480	1,200	MCCB	32	16	90	805	Interpolated
LPB3-N1-1200-367516	Up to 480	1,200	MCCB	36	16	75	699	Interpolated
LPB3-N1-1200-369016	Up to 480	1,200	MCCB	36	16	90	839	Interpolated
LPB3-N1-1200-447516	Up to 480	1,200	MCCB	44	16	75	780	Interpolated
LPB3-N1-1200-449016	Up to 480	1,200	MCCB	44	16	90	946	UUT-4
LPB3-N1-800T-327516	Up to 480	800	Lug	32	16	75	783	Extrapolated
LPB3-N1-800T-367516	Up to 480	800	Lug	36	16	75	788	Extrapolated
LPB3-N1-800T-369016	Up to 480	800	Lug	36	16	90	984	Extrapolated
LPB3-N1-800T-447516	Up to 480	800	Lug	44	16	75	870	Extrapolated
LPB3-N1-800D-327516	Up to 480	800	Lug	32	16	75	783	Extrapolated
LPB3-N1-800D-329016	Up to 480	800	Lug	32	16	90	948	Extrapolated
LPB3-N1-800D-367516	Up to 480	800	Lug	36	16	75	788	Extrapolated
LPB3-N1-800D-369016	Up to 480	800	Lug	36	16	90	984	Extrapolated
LPB3-N1-800D-447516	Up to 480	800	Lug	44	16	75	870	Extrapolated
LPB3-N1-1200-327516	Up to 480	1,200	Lug	32	16	75	794	Extrapolated
LPB3-N1-1200-367516	Up to 480	1,200	Lug	36	16	75	777	Extrapolated
LPB3-N1-1200-369016	Up to 480	1,200	Lug	36	16	90	982	Extrapolated
LPB3-N1-1200-447516	Up to 480	1,200	Lug	44	16	75	862	Extrapolated

Table 1B: Certified UL 67 Panelboard - Wall Mounted Type - NEMA 1 / 3R

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB1-N3-100-244512	Up to 480	100	Lug	24	12	45	300	Extrapolated
LPB1-N3-100-246012	Up to 480	100	Lug	24	12	60	368	Extrapolated
LPB1-N3-100-247512	Up to 480	100	Lug	24	12	75	444	Extrapolated
LPB1-N3-100-294512	Up to 480	100	Lug	29	12	45	250	Extrapolated
LPB1-N3-100-296012	Up to 480	100	Lug	29	12	60	346	Extrapolated
LPB1-N3-100-297512	Up to 480	100	Lug	29	12	75	442	Extrapolated
LPB1-N3-150-244512	Up to 480	150	MCCB	24	12	45	300	Extrapolated
LPB1-N3-150-246012	Up to 480	150	MCCB	24	12	60	368	Extrapolated
LPB1-N3-150-247512	Up to 480	150	MCCB	24	12	75	444	Extrapolated
LPB1-N3-150-294512	Up to 480	150	MCCB	29	12	45	250	Extrapolated
LPB1-N3-150-296012	Up to 480	150	MCCB	29	12	60	346	Extrapolated
LPB1-N3-150-297512	Up to 480	150	MCCB	29	12	75	442	Extrapolated
LPB1-N3-250-244512	Up to 480	250	MCCB	24	12	45	300	Extrapolated
LPB1-N3-250-246012	Up to 480	250	MCCB	24	12	60	390	Extrapolated
LPB1-N3-250-247512	Up to 480	250	MCCB	24	12	75	444	Extrapolated
LPB1-N3-250-294512	Up to 480	250	MCCB	29	12	45	269	Extrapolated
LPB1-N3-250-296012	Up to 480	250	MCCB	29	12	60	361	Extrapolated
LPB1-N3-250-297512	Up to 480	250	MCCB	29	12	75	219	Extrapolated
LPB1-N3-125-244512	Up to 480	125	Lug	24	12	45	300	Extrapolated
LPB1-N3-125-246012	Up to 480	125	Lug	24	12	60	390	Extrapolated
LPB1-N3-125-247512	Up to 480	125	Lug	24	12	75	444	Extrapolated
LPB1-N3-125-294512	Up to 480	125	Lug	29	12	45	250	Extrapolated
LPB1-N3-125-296012	Up to 480	125	Lug	29	12	60	346	Extrapolated
LPB1-N3-125-297512	Up to 480	125	Lug	29	12	75	442	Extrapolated
LPB1-N3-150-244512	Up to 480	150	Lug	24	12	45	261	Extrapolated
LPB1-N3-150-246012	Up to 480	150	Lug	24	12	60	341	Extrapolated
LPB1-N3-150-247512	Up to 480	150	Lug	24	12	75	444	Extrapolated
LPB1-N3-150-294512	Up to 480	150	Lug	29	12	45	250	Extrapolated
LPB1-N3-150-296012	Up to 480	150	Lug	29	12	60	346	Extrapolated
LPB1-N3-150-297512	Up to 480	150	Lug	29	12	75	442	Extrapolated
LPB1-N3-250-244512	Up to 480	250	Lug	24	12	45	300	Extrapolated
LPB1-N3-250-246012	Up to 480	250	Lug	24	12	60	390	Extrapolated
LPB1-N3-250-247512	Up to 480	250	Lug	24	12	75	444	Extrapolated
LPB1-N3-250-294512	Up to 480	250	Lug	29	12	45	275	Extrapolated
LPB1-N3-250-296012	Up to 480	250	Lug	29	12	60	346	Extrapolated
LPB1-N3-250-297512	Up to 480	250	Lug	29	12	75	442	Extrapolated
LPB2-N3-400-336014	Up to 480	400	MCCB	33	14	60	446	Extrapolated
LPB2-N3-400-337514	Up to 480	400	MCCB	33	14	75	591	Extrapolated
LPB2-N3-400-339014	Up to 480	400	MCCB	33	14	90	683	Extrapolated
LPB2-N3-400-426014	Up to 480	400	MCCB	42	14	60	543	Extrapolated
LPB2-N3-400-427514	Up to 480	400	MCCB	42	14	75	716	Extrapolated
LPB2-N3-400-429014	Up to 480	400	MCCB	42	14	90	858	Extrapolated
LPB2-N3-600-336014	Up to 480	600	MCCB	33	14	60	506	Extrapolated

Table 1B: Certified UL 67 Panelboard - Wall Mounted Type - NEMA 1 / 3R

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB2-N3-600-337514	Up to 480	600	MCCB	33	14	75	591	Extrapolated
LPB2-N3-600-339014	Up to 480	600	MCCB	33	14	90	683	Extrapolated
LPB2-N3-400-336014	Up to 480	400	Lug	33	14	60	446	Extrapolated
LPB2-N3-400-337514	Up to 480	400	Lug	33	14	75	591	Extrapolated
LPB2-N3-400-339014	Up to 480	400	Lug	33	14	90	674	Extrapolated
LPB2-N3-400-426014	Up to 480	400	Lug	42	14	60	543	Extrapolated
LPB2-N3-400-427514	Up to 480	400	Lug	42	14	75	716	Extrapolated
LPB2-N3-400-429014	Up to 480	400	Lug	42	14	90	858	Extrapolated
LPB2-N3-800D-336014	Up to 480	800	Lug	33	14	60	506	Extrapolated
LPB2-N3-800D-337514	Up to 480	800	Lug	33	14	75	601	Extrapolated
LPB2-N3-800D-339014	Up to 480	800	Lug	33	14	90	683	Extrapolated
LPB2-N3-800D-426014	Up to 480	800	Lug	42	14	60	543	Extrapolated
LPB2-N3-800D-427514	Up to 480	800	Lug	42	14	75	716	Extrapolated
LPB2-N3-800D-429014	Up to 480	800	Lug	42	14	90	858	Extrapolated
LPB3-N3-800-327516	Up to 480	800	MCCB	32	16	75	705	Extrapolated
LPB3-N3-800-367516	Up to 480	800	MCCB	36	16	75	688	Extrapolated
LPB3-N3-800-369016	Up to 480	800	MCCB	36	16	90	864	Extrapolated
LPB3-N3-800-447516	Up to 480	800	MCCB	44	16	75	773	Extrapolated
LPB3-N3-800-449016	Up to 480	800	MCCB	44	16	90	989	Extrapolated
LPB3-N3-1200-327516	Up to 480	1,200	MCCB	32	16	75	783	Extrapolated
LPB3-N3-1200-367516	Up to 480	1,200	MCCB	36	16	75	688	Extrapolated
LPB3-N3-1200-369016	Up to 480	1,200	MCCB	36	16	90	864	Extrapolated
LPB3-N3-1200-447516	Up to 480	1,200	MCCB	44	16	75	773	Extrapolated
LPB3-N3-1200-449016	Up to 480	1,200	MCCB	44	16	90	989	Extrapolated
LPB3-N3-800T-327516	Up to 480	800	Lug	32	16	75	794	Extrapolated
LPB3-N3-800T-367516	Up to 480	800	Lug	36	16	75	777	Extrapolated
LPB3-N3-800T-369016	Up to 480	800	Lug	36	16	90	982	Extrapolated
LPB3-N3-800T-447516	Up to 480	800	Lug	44	16	75	862	Extrapolated
LPB3-N3-800D-327516	Up to 480	800	Lug	32	16	75	794	Extrapolated
LPB3-N3-800D-367516	Up to 480	800	Lug	36	16	75	777	Extrapolated
LPB3-N3-800D-369016	Up to 480	800	Lug	36	16	90	982	Extrapolated
LPB3-N3-800D-447516	Up to 480	800	Lug	44	16	75	862	Extrapolated
LPB3-N3-1200-327516	Up to 480	1,200	Lug	32	16	75	794	Extrapolated
LPB3-N3-1200-367516	Up to 480	1,200	Lug	36	16	75	777	Extrapolated
LPB3-N3-1200-369016	Up to 480	1,200	Lug	36	16	90	982	Extrapolated
LPB3-N3-1200-447516	Up to 480	1,200	Lug	44	16	75	862	Extrapolated

Table 1C: Certified UL 67 Panelboard - Floor Mounted Type - NEMA 1

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB1-N1-100-244508	Up to 480	100	Lug	24	8	47	264	UUT-7
LPB1-N1-100-246008	Up to 480	100	Lug	24	8	60	340	Interpolated
LPB1-N1-100-247508	Up to 480	100	Lug	24	8	75	394	Interpolated
LPB1-N1-100-294508	Up to 480	100	Lug	29	8	45	275	Interpolated
LPB1-N1-100-296008	Up to 480	100	Lug	29	8	60	378	Interpolated
LPB1-N1-100-297508	Up to 480	100	Lug	29	8	75	481	Interpolated
LPB1-N1-150-244508	Up to 480	150	MCCB	24	8	45	258	Interpolated
LPB1-N1-150-246008	Up to 480	150	MCCB	24	8	60	340	Interpolated
LPB1-N1-150-247508	Up to 480	150	MCCB	24	8	75	394	Interpolated
LPB1-N1-150-294508	Up to 480	150	MCCB	29	8	45	275	Interpolated
LPB1-N1-150-296008	Up to 480	150	MCCB	29	8	60	378	Interpolated
LPB1-N1-150-297508	Up to 480	150	MCCB	29	8	75	481	Interpolated
LPB1-N1-250-246008	Up to 480	250	MCCB	24	8	60	340	Interpolated
LPB1-N1-250-247508	Up to 480	250	MCCB	24	8	75	394	Interpolated
LPB1-N1-250-294508	Up to 480	250	MCCB	29	8	45	294	Interpolated
LPB1-N1-250-296008	Up to 480	250	MCCB	29	8	60	393	Interpolated
LPB1-N1-250-297508	Up to 480	250	MCCB	29	8	75	457	Interpolated
LPB1-N1-125-244508	Up to 480	125	Lug	24	8	45	258	Interpolated
LPB1-N1-125-246008	Up to 480	125	Lug	24	8	60	340	Interpolated
LPB1-N1-125-247508	Up to 480	125	Lug	24	8	75	394	Interpolated
LPB1-N1-125-294508	Up to 480	125	Lug	29	8	45	275	Interpolated
LPB1-N1-125-296008	Up to 480	125	Lug	29	8	60	378	Interpolated
LPB1-N1-125-297508	Up to 480	125	Lug	29	8	75	481	Interpolated
LPB1-N1-150-244508	Up to 480	150	Lug	24	8	45	258	Interpolated
LPB1-N1-150-246008	Up to 480	150	Lug	24	8	60	340	Interpolated
LPB1-N1-150-247508	Up to 480	150	Lug	24	8	75	394	Interpolated
LPB1-N1-150-294508	Up to 480	150	Lug	29	8	45	275	Interpolated
LPB1-N1-150-296008	Up to 480	150	Lug	29	8	60	378	Interpolated
LPB1-N1-150-297508	Up to 480	150	Lug	29	8	75	481	Interpolated
LPB1-N1-250-244508	Up to 480	250	Lug	24	8	45	258	Interpolated
LPB1-N1-250-246008	Up to 480	250	Lug	24	8	60	340	Interpolated
LPB1-N1-250-247508	Up to 480	250	Lug	24	8	75	394	Interpolated
LPB1-N1-250-294508	Up to 480	250	Lug	29	8	45	275	Interpolated
LPB1-N1-250-296008	Up to 480	250	Lug	29	8	60	378	Interpolated
LPB2-N1-400-336010	Up to 480	400	MCCB	33	10	60	395	Interpolated
LPB2-N1-400-337510	Up to 480	400	MCCB	33	10	75	531	Interpolated
LPB2-N1-400-339010	Up to 480	400	MCCB	33	10	90	609	Interpolated
LPB2-N1-400-426010	Up to 480	400	MCCB	42	10	60	504	Interpolated
LPB2-N1-400-427510	Up to 480	400	MCCB	42	10	75	579	Interpolated
LPB2-N1-600-336010	Up to 480	600	MCCB	33	10	60	448	Interpolated
LPB2-N1-600-337510	Up to 480	600	MCCB	33	10	75	533	Interpolated
LPB2-N1-600-339010	Up to 480	600	MCCB	33	10	90	610	Interpolated

Table 1C: Certified UL 67 Panelboard - Floor Mounted Type - NEMA 1

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB2-N1-600-426010	Up to 480	600	MCCB	42	10	60	504	Interpolated
LPB2-N1-600-427510	Up to 480	600	MCCB	42	10	75	579	Interpolated
LPB2-N1-600-429010	Up to 480	600	MCCB	42	10	90	726	UUT-8
LPB2-N1-400-336010	Up to 480	400	Lug	33	10	60	395	Interpolated
LPB2-N1-400-337510	Up to 480	400	Lug	33	10	75	531	Interpolated
LPB2-N1-400-339010	Up to 480	400	Lug	33	10	90	609	Interpolated
LPB2-N1-400-426010	Up to 480	400	Lug	42	10	60	504	Interpolated
LPB2-N1-400-427510	Up to 480	400	Lug	42	10	75	579	Interpolated
LPB2-N1-800D-336010	Up to 480	800	Lug	33	10	60	448	Interpolated
LPB2-N1-800D-337510	Up to 480	800	Lug	33	10	75	533	Interpolated
LPB2-N1-800D-339010	Up to 480	800	Lug	33	10	90	610	Interpolated
LPB2-N1-800D-426010	Up to 480	800	Lug	42	10	60	504	Interpolated
LPB2-N1-800D-427510	Up to 480	800	Lug	42	10	75	579	Interpolated
LPB3-N1-800-327516	Up to 480	800	MCCB	32	16	75	693	UUT-9
LPB3-N1-800-329016	Up to 480	800	MCCB	32	16	90	805	Interpolated
LPB3-N1-800-367516	Up to 480	800	MCCB	36	16	75	699	Interpolated
LPB3-N1-800-369016	Up to 480	800	MCCB	36	16	90	839	Interpolated
LPB3-N1-800-447516	Up to 480	800	MCCB	44	16	75	780	Interpolated
LPB3-N1-800-449016	Up to 480	800	MCCB	44	16	90	951	Interpolated
LPB3-N1-1200-327516	Up to 480	1,200	MCCB	32	16	75	670	Interpolated
LPB3-N1-1200-329016	Up to 480	1,200	MCCB	32	16	90	805	Interpolated
LPB3-N1-1200-367516	Up to 480	1,200	MCCB	36	16	75	699	Interpolated
LPB3-N1-1200-369016	Up to 480	1,200	MCCB	36	16	90	839	Interpolated
LPB3-N1-1200-447516	Up to 480	1,200	MCCB	44	16	75	780	Interpolated
LPB3-N1-1200-449016	Up to 480	1,200	MCCB	44	16	90	946	UUT-10
LPB3-N1-800T-327516	Up to 480	800	Lug	32	16	75	783	Extrapolated
LPB3-N1-800T-367516	Up to 480	800	Lug	36	16	75	788	Extrapolated
LPB3-N1-800T-369016	Up to 480	800	Lug	36	16	90	984	Extrapolated
LPB3-N1-800T-447516	Up to 480	800	Lug	44	16	75	870	Extrapolated
LPB3-N1-800D-327516	Up to 480	800	Lug	32	16	75	783	Extrapolated
LPB3-N1-800D-329016	Up to 480	800	Lug	32	16	90	948	Extrapolated
LPB3-N1-800D-367516	Up to 480	800	Lug	36	16	75	788	Extrapolated
LPB3-N1-800D-369016	Up to 480	800	Lug	36	16	90	984	Extrapolated
LPB3-N1-800D-447516	Up to 480	800	Lug	44	16	75	870	Extrapolated
LPB3-N1-1200-327516	Up to 480	1,200	Lug	32	16	75	794	Extrapolated
LPB3-N1-1200-367516	Up to 480	1,200	Lug	36	16	75	777	Extrapolated
LPB3-N1-1200-369016	Up to 480	1,200	Lug	36	16	90	982	Extrapolated
LPB3-N1-1200-447516	Up to 480	1,200	Lug	44	16	75	862	Extrapolated

Table 1D: Certified UL 67 Panelboard - Floor Mounted Type - NEMA 1 / 3R

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB1-N3-100-244512	Up to 480	100	Lug	24	12	45	300	Extrapolated
LPB1-N3-100-246012	Up to 480	100	Lug	24	12	60	368	Extrapolated
LPB1-N3-100-247512	Up to 480	100	Lug	24	12	75	444	Extrapolated
LPB1-N3-100-294512	Up to 480	100	Lug	29	12	45	250	Extrapolated
LPB1-N3-100-296012	Up to 480	100	Lug	29	12	60	346	Extrapolated
LPB1-N3-100-297512	Up to 480	100	Lug	29	12	75	442	Extrapolated
LPB1-N3-150-244512	Up to 480	150	MCCB	24	12	45	300	Extrapolated
LPB1-N3-150-246012	Up to 480	150	MCCB	24	12	60	368	Extrapolated
LPB1-N3-150-247512	Up to 480	150	MCCB	24	12	75	444	Extrapolated
LPB1-N3-150-294512	Up to 480	150	MCCB	29	12	45	250	Extrapolated
LPB1-N3-150-296012	Up to 480	150	MCCB	29	12	60	346	Extrapolated
LPB1-N3-150-297512	Up to 480	150	MCCB	29	12	75	442	Extrapolated
LPB1-N3-250-244512	Up to 480	250	MCCB	24	12	45	300	Extrapolated
LPB1-N3-250-246012	Up to 480	250	MCCB	24	12	60	390	Extrapolated
LPB1-N3-250-247512	Up to 480	250	MCCB	24	12	75	444	Extrapolated
LPB1-N3-250-294512	Up to 480	250	MCCB	29	12	45	269	Extrapolated
LPB1-N3-250-296012	Up to 480	250	MCCB	29	12	60	361	Extrapolated
LPB1-N3-250-297512	Up to 480	250	MCCB	29	12	75	219	Extrapolated
LPB1-N3-125-244512	Up to 480	125	Lug	24	12	45	300	Extrapolated
LPB1-N3-125-246012	Up to 480	125	Lug	24	12	60	390	Extrapolated
LPB1-N3-125-247512	Up to 480	125	Lug	24	12	75	444	Extrapolated
LPB1-N3-125-294512	Up to 480	125	Lug	29	12	45	250	Extrapolated
LPB1-N3-125-296012	Up to 480	125	Lug	29	12	60	346	Extrapolated
LPB1-N3-125-297512	Up to 480	125	Lug	29	12	75	442	Extrapolated
LPB1-N3-150-244512	Up to 480	150	Lug	24	12	45	261	Extrapolated
LPB1-N3-150-246012	Up to 480	150	Lug	24	12	60	341	Extrapolated
LPB1-N3-150-247512	Up to 480	150	Lug	24	12	75	444	Extrapolated
LPB1-N3-150-294512	Up to 480	150	Lug	29	12	45	250	Extrapolated
LPB1-N3-150-296012	Up to 480	150	Lug	29	12	60	346	Extrapolated
LPB1-N3-150-297512	Up to 480	150	Lug	29	12	75	442	Extrapolated
LPB1-N3-250-244512	Up to 480	250	Lug	24	12	45	300	Extrapolated
LPB1-N3-250-246012	Up to 480	250	Lug	24	12	60	390	Extrapolated
LPB1-N3-250-247512	Up to 480	250	Lug	24	12	75	444	Extrapolated
LPB1-N3-250-294512	Up to 480	250	Lug	29	12	45	275	Extrapolated
LPB1-N3-250-296012	Up to 480	250	Lug	29	12	60	346	Extrapolated
LPB1-N3-250-297512	Up to 480	250	Lug	29	12	75	442	Extrapolated
LPB2-N3-400-336014	Up to 480	400	MCCB	33	14	60	446	Extrapolated
LPB2-N3-400-337514	Up to 480	400	MCCB	33	14	75	591	Extrapolated
LPB2-N3-400-339014	Up to 480	400	MCCB	33	14	90	683	Extrapolated
LPB2-N3-400-426014	Up to 480	400	MCCB	42	14	60	543	Extrapolated
LPB2-N3-400-427514	Up to 480	400	MCCB	42	14	75	716	Extrapolated
LPB2-N3-400-429014	Up to 480	400	MCCB	42	14	90	858	Extrapolated

Table 1D: Certified UL 67 Panelboard - Floor Mounted Type - NEMA 1 / 3R

Model : LPB Series	Voltage [V]	Rating [A]	Lug / MCCB	Dimensions [in]			Weight [lb]	UUT
				W	D	H		
LPB2-N3-600-336014	Up to 480	600	MCCB	33	14	60	506	Extrapolated
LPB2-N3-600-337514	Up to 480	600	MCCB	33	14	75	591	Extrapolated
LPB2-N3-600-339014	Up to 480	600	MCCB	33	14	90	683	Extrapolated
LPB2-N3-600-426014	Up to 480	600	MCCB	42	14	60	543	Extrapolated
LPB2-N3-600-427514	Up to 480	600	MCCB	42	14	75	716	Extrapolated
LPB2-N3-600-429014	Up to 480	600	MCCB	42	14	90	880	UUT-5
LPB2-N3-400-336014	Up to 480	400	Lug	33	14	60	446	Extrapolated
LPB2-N3-400-337514	Up to 480	400	Lug	33	14	75	591	Extrapolated
LPB2-N3-400-339014	Up to 480	400	Lug	33	14	90	674	Extrapolated
LPB2-N3-400-426014	Up to 480	400	Lug	42	14	60	543	Extrapolated
LPB2-N3-400-427514	Up to 480	400	Lug	42	14	75	716	Extrapolated
LPB2-N3-400-429014	Up to 480	400	Lug	42	14	90	858	Extrapolated
LPB2-N3-800D-336014	Up to 480	800	Lug	33	14	60	506	Extrapolated
LPB2-N3-800D-337514	Up to 480	800	Lug	33	14	75	601	Extrapolated
LPB2-N3-800D-339014	Up to 480	800	Lug	33	14	90	683	Extrapolated
LPB2-N3-800D-426014	Up to 480	800	Lug	42	14	60	543	Extrapolated
LPB2-N3-800D-427514	Up to 480	800	Lug	42	14	75	716	Extrapolated
LPB2-N3-800D-429014	Up to 480	800	Lug	42	14	90	858	Extrapolated
LPB3-N3-800-327516	Up to 480	800	MCCB	32	16	75	705	Extrapolated
LPB3-N3-800-367516	Up to 480	800	MCCB	36	16	75	688	Extrapolated
LPB3-N3-800-369016	Up to 480	800	MCCB	36	16	90	864	Extrapolated
LPB3-N3-800-447516	Up to 480	800	MCCB	44	16	75	773	Extrapolated
LPB3-N3-800-449016	Up to 480	800	MCCB	44	16	90	989	Extrapolated
LPB3-N3-1200-327516	Up to 480	1,200	MCCB	32	16	75	783	Extrapolated
LPB3-N3-1200-367516	Up to 480	1,200	MCCB	36	16	75	688	Extrapolated
LPB3-N3-1200-369016	Up to 480	1,200	MCCB	36	16	90	864	Extrapolated
LPB3-N3-1200-447516	Up to 480	1,200	MCCB	44	16	75	773	Extrapolated
LPB3-N3-1200-449016	Up to 480	1,200	MCCB	44	16	90	989	Extrapolated
LPB3-N3-800T-327516	Up to 480	800	Lug	32	16	75	794	Extrapolated
LPB3-N3-800T-367516	Up to 480	800	Lug	36	16	75	777	Extrapolated
LPB3-N3-800T-369016	Up to 480	800	Lug	36	16	90	982	Extrapolated
LPB3-N3-800T-447516	Up to 480	800	Lug	44	16	75	862	Extrapolated
LPB3-N3-800D-327516	Up to 480	800	Lug	32	16	75	794	Extrapolated
LPB3-N3-800D-367516	Up to 480	800	Lug	36	16	75	777	Extrapolated
LPB3-N3-800D-369016	Up to 480	800	Lug	36	16	90	982	Extrapolated
LPB3-N3-800D-447516	Up to 480	800	Lug	44	16	75	862	Extrapolated
LPB3-N3-1200-327516	Up to 480	1,200	Lug	32	16	75	794	Extrapolated
LPB3-N3-1200-367516	Up to 480	1,200	Lug	36	16	75	777	Extrapolated
LPB3-N3-1200-369016	Up to 480	1,200	Lug	36	16	90	982	Extrapolated
LPB3-N3-1200-447516	Up to 480	1,200	Lug	44	16	75	862	Extrapolated
LPB3-N3-1200-449016	Up to 480	1,200	Lug	44	16	90	990	UUT-6

Table 2A: Certified MCCB for Wall Mounted Components

Model Number	Material	Manufacturer	Overall Dimensions [in]			Number of Poles	Weight [lb]	UUT
			Width	Depth	Height			
UTE100	Carbon Steel/Copper/Plastic	LS ELECTRIC	1.0	3.4	5.1	1 Pole	1.0	UUT-1
	Carbon Steel/Copper/Plastic	LS ELECTRIC	2.0	3.4	5.1	2 Pole	1.6	UUT-2
	Carbon Steel/Copper/Plastic	LS ELECTRIC	3.0	3.4	5.1	3 Pole	2.3	UUT-2
	Carbon Steel/Copper/Plastic	LS ELECTRIC	3.0	3.4	5.1	3 Pole	2.3	UUT-4
UTS150	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-2
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-3
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-4
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	3 Pole	4.0	Interpolated
UTS250	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-2
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-3
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-4
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	3 Pole	4.5	Interpolated
UTS400	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-2
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-3
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-4
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	3 Pole	13.9	Interpolated
UTS600	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-2
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-3
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-4
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	3 Pole	15.8	Interpolated
UTS1200	Carbon Steel/Copper/Plastic	LS ELECTRIC	8.3	6.0	16.3	3 Pole	40.3	UUT-4

Table 2B: Certified MCCB for Floor Mounted Components

Model Number	Material	Manufacturer	Overall Dimensions [in]			Number of Poles	Weight [lb]	UUT
			Width	Depth	Height			
UTE100	Carbon Steel/Copper/Plastic	LS ELECTRIC	1.0	3.4	5.1	1 Pole	1.0	UUT-7
	Carbon Steel/Copper/Plastic	LS ELECTRIC	2.0	3.4	5.1	2 Pole	1.6	UUT-5
	Carbon Steel/Copper/Plastic	LS ELECTRIC	2.0	3.4	5.1	2 Pole	1.6	UUT-8
	Carbon Steel/Copper/Plastic	LS ELECTRIC	3.0	3.4	5.1	3 Pole	2.3	UUT-5
	Carbon Steel/Copper/Plastic	LS ELECTRIC	3.0	3.4	5.1	3 Pole	2.3	UUT-6
	Carbon Steel/Copper/Plastic	LS ELECTRIC	3.0	3.4	5.1	3 Pole	2.3	UUT-8
	Carbon Steel/Copper/Plastic	LS ELECTRIC	3.0	3.4	5.1	3 Pole	2.3	UUT-10
UTS150	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-5
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-6
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-8
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-9
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	2 Pole	3.4	UUT-10
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	6.5	3 Pole	4.0	Interpolated
UTS250	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-5
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-6
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-8
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-9
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	2 Pole	3.9	UUT-10
	Carbon Steel/Copper/Plastic	LS ELECTRIC	4.1	3.4	7.5	3 Pole	4.5	Interpolated
UTS400	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-5
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-6
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-8
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-9
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	2 Pole	12.0	UUT-10
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	11.4	3 Pole	13.9	Interpolated
UTS600	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-5
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-6
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-8
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-9
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	2 Pole	13.5	UUT-10
	Carbon Steel/Copper/Plastic	LS ELECTRIC	5.5	4.3	13.4	3 Pole	15.8	Interpolated
UTS800	Carbon Steel/Copper/Plastic	LS ELECTRIC	8.3	6.0	12.9	3 Pole	31.4	UUT-6
UTS1200	Carbon Steel/Copper/Plastic	LS ELECTRIC	8.3	6.0	16.3	3 Pole	40.3	UUT-6
	Carbon Steel/Copper/Plastic	LS ELECTRIC	8.3	6.0	16.3	3 Pole	40.3	UUT-10

Table 3A: Certified Minimum Enclosure for Wall Mounted Components

Model Number	Material	Manufacturer	Overall Dimensions [in]			Frame	Weight [lb]	UUT
			Width	Depth	Height			
LPB-1 (NEMA 1)	Carbon Steel	LS ELECTRIC	24	8	47	250AF	159	UUT-1
	Carbon Steel	LS ELECTRIC	24	8	60		197	Interpolated
	Carbon Steel	LS ELECTRIC	24	8	75		244	Interpolated
	Carbon Steel	LS ELECTRIC	24	8	90		280	Interpolated
LPB-1 (NEMA 3R)	Carbon Steel	LS ELECTRIC	24	12	45	250AF	201	Interpolated
	Carbon Steel	LS ELECTRIC	24	12	60		248	Interpolated
	Carbon Steel	LS ELECTRIC	24	12	75		294	Interpolated
	Carbon Steel	LS ELECTRIC	24	12	90		335	Interpolated
LPB-1 W29 (NEMA 1)	Carbon Steel	LS ELECTRIC	29	8	45	250AF	162	Interpolated
	Carbon Steel	LS ELECTRIC	29	8	60		199	Interpolated
	Carbon Steel	LS ELECTRIC	29	8	75		237	Interpolated
LPB-1 W29 (NEMA 3R)	Carbon Steel	LS ELECTRIC	29	12	45	250AF	187	Interpolated
	Carbon Steel	LS ELECTRIC	29	12	60		231	Interpolated
	Carbon Steel	LS ELECTRIC	29	12	75		276	Interpolated
LPB-2 (NEMA 1)	Carbon Steel	LS ELECTRIC	33	10	60	400AF	285	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	75		337	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	90		390	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	60	600AF	286	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	75		338	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	90		391	Interpolated
	Carbon Steel	LS ELECTRIC	43	10	60	600AF	389	Interpolated
	Carbon Steel	LS ELECTRIC	43	10	75		486	Interpolated
	Carbon Steel	LS ELECTRIC	43	10	90		584	UUT-2
LPB-2 (NEMA 3R)	Carbon Steel	LS ELECTRIC	33	14	60	400AF	336	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	75		396	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	90		455	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	60	600AF	345	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	75		406	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	90		464	Interpolated
	Carbon Steel	LS ELECTRIC	43	14	60	600AF	389	Interpolated
	Carbon Steel	LS ELECTRIC	43	14	75		486	Interpolated
LPB-3	Carbon Steel	LS ELECTRIC	32	16	75	1200AF	422	UUT-3
	Carbon Steel	LS ELECTRIC	32	16	90		482	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	75	1200AF	452	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	90		518	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	75	1200AF	533	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	90		628	UUT-4
LPB-3 (NEMA 3R)	Carbon Steel	LS ELECTRIC	32	16	75	1200AF	457	Interpolated
	Carbon Steel	LS ELECTRIC	32	16	90		538	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	75	1200AF	440	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	90		517	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	75	1200AF	526	Interpolated

Table 3B: Certified Minimum Enclosure for Floor Mounted Components

Model Number	Material	Manufacturer	Overall Dimensions [in]			Frame	Weight [lb]	UUT
			Width	Depth	Height			
LPB-1 (NEMA 1)	Carbon Steel	LS ELECTRIC	24	8	47	250AF	159	UUT-7
	Carbon Steel	LS ELECTRIC	24	8	60		197	Interpolated
	Carbon Steel	LS ELECTRIC	24	8	75		244	Interpolated
	Carbon Steel	LS ELECTRIC	24	8	90		280	Interpolated
LPB-1 (NEMA 3R)	Carbon Steel	LS ELECTRIC	24	12	45	250AF	201	Interpolated
	Carbon Steel	LS ELECTRIC	24	12	60		248	Interpolated
	Carbon Steel	LS ELECTRIC	24	12	75		294	Interpolated
	Carbon Steel	LS ELECTRIC	24	12	90		335	Interpolated
LPB-1 W29 (NEMA 1)	Carbon Steel	LS ELECTRIC	29	8	45	250AF	162	Interpolated
	Carbon Steel	LS ELECTRIC	29	8	60		199	Interpolated
	Carbon Steel	LS ELECTRIC	29	8	75		237	Interpolated
LPB-1 W29 (NEMA 3R)	Carbon Steel	LS ELECTRIC	29	12	45	250AF	187	Interpolated
	Carbon Steel	LS ELECTRIC	29	12	60		231	Interpolated
	Carbon Steel	LS ELECTRIC	29	12	75		276	Interpolated
LPB-2 (NEMA 1)	Carbon Steel	LS ELECTRIC	33	10	60	400AF	285	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	75		337	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	90		390	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	60	600AF	286	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	75		338	Interpolated
	Carbon Steel	LS ELECTRIC	33	10	90		391	Interpolated
	Carbon Steel	LS ELECTRIC	43	10	60	600AF	389	Interpolated
	Carbon Steel	LS ELECTRIC	43	10	75		486	Interpolated
	Carbon Steel	LS ELECTRIC	43	10	90		584	UUT-8
LPB-2 (NEMA 3R)	Carbon Steel	LS ELECTRIC	33	14	60	400AF	336	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	75		396	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	90		455	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	60	600AF	345	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	75		406	Interpolated
	Carbon Steel	LS ELECTRIC	33	14	90		464	Interpolated
	Carbon Steel	LS ELECTRIC	43	14	60	600AF	389	Interpolated
	Carbon Steel	LS ELECTRIC	43	14	75		486	Interpolated
	Carbon Steel	LS ELECTRIC	43	14	90		584	UUT-5
LPB-3	Carbon Steel	LS ELECTRIC	32	16	75	1200AF	422	UUT-9
	Carbon Steel	LS ELECTRIC	32	16	90		482	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	75	1200AF	452	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	90		518	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	75	1200AF	533	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	90		628	UUT-10
LPB-3 (NEMA 3R)	Carbon Steel	LS ELECTRIC	32	16	75	1200AF	457	Interpolated
	Carbon Steel	LS ELECTRIC	32	16	90		538	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	75	1200AF	440	Interpolated
	Carbon Steel	LS ELECTRIC	36	16	90		517	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	75	1200AF	526	Interpolated
	Carbon Steel	LS ELECTRIC	44	16	90		642	UUT-6

Unit Under Test Summary Sheet: UUT1

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB1-N1-100-244508
Serial No	ENC-L1-025-N1-244508 (#1)
Date of Mfr.	2024-10
Voltage	480 VAC
Elec. Char.	100 A
Frequency	60 Hz 3 PH
Rating	100 kA@240V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
264	24	8	47	Wall mounted	N/A	N/A	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT1 was wall mounted using four (4) 1/2 in. Grade 5 bolts

UUT1 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT1 mounted on the shake table



Interior of UUT1

Unit Under Test Component Summary Sheet: UUT1

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-1	Carbon Steel/Copper/Plastic	1.24
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 1P	Carbon Steel/Copper/Plastic	0.96
MCCB	LS ELECTRIC	UTE100, 2P	Carbon Steel/Copper/Plastic	1.64
MCCB	LS ELECTRIC	UTE100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
Enclosure	LS ELECTRIC	LPB-1 (250AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	159.0

Unit Under Test Summary Sheet: UUT2

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB2-N1-600-429010
Serial No	ENC-L2-060-N1-429010 (#2)
Date of Mfr.	2024-10
Voltage	480/277 VAC
Elec. Char.	600 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
726	42	10	90	Wall mounted	N/A	N/A	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

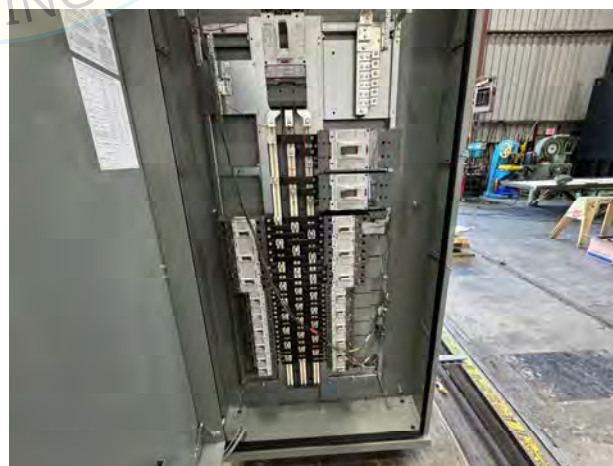
Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT2 was wall mounted using six (6) 1/2 in. Grade 5 bolts

UUT2 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT2 mounted on the shake table



Interior of UUT2

Unit Under Test Component Summary Sheet: UUT2

Component Summary				
<i>Subcomponents</i>	<i>Manufacturer</i>	<i>Part No.</i>	<i>Material</i>	<i>Weight, lbs</i>
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-3	Carbon Steel/Copper/Plastic	2.20
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 2P	Carbon Steel/Copper/Plastic	1.64
MCCB	LS ELECTRIC	UTS100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
Enclosure	LS ELECTRIC	LPB-2 (600AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	583.7

Unit Under Test Summary Sheet: UUT3

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB3-N1-800-327516
Serial No	ENC-L3-120-N1-327516 (#3)
Date of Mfr.	2024-10
Voltage	480 VAC
Elec. Char.	800 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
693	32	16	75	Wall mounted	N/A	N/A	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT3 was wall mounted using six (6) 1/2 in. Grade 5 bolts

UUT3 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT3 mounted on the shake table



Interior of UUT3

Unit Under Test Component Summary Sheet: UUT3

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-51	Carbon Steel/Copper/Plastic	6.61
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
Enclosure	LS ELECTRIC	LPB-3 (1200AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	422.0

Unit Under Test Summary Sheet: UUT4

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB3-N1-1200-449016
Serial No	ENC-L3-120-N1-449016 (#4)
Date of Mfr.	2024-10
Voltage	480/277 VAC
Elec. Char.	1200 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
946	44	16	90	Wall mounted	N/A	N/A	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT4 was wall mounted using six (6) 1/2 in. Grade 5 bolts

UUT4 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT4 mounted on the shake table



Interior of UUT4

Unit Under Test Component Summary Sheet: UUT4

Component Summary				
<i>Subcomponents</i>	<i>Manufacturer</i>	<i>Part No.</i>	<i>Material</i>	<i>Weight, lbs</i>
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-51	Carbon Steel/Copper/Plastic	6.61
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
MCCB	LS ELECTRIC	UTS1200, 3P	Carbon Steel/Copper/Plastic	40.28
Enclosure	LS ELECTRIC	LPB-3 (1200AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	627.9

Unit Under Test Summary Sheet: UUT5

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB2-N3-600-429014
Serial No	ENC-L2-060-N3-29014 (#5)
Date of Mfr.	2024-10
Voltage	480/277 VAC
Elec. Char.	600 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 3R (Outdoor)) Carbon steel

UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
880	42	14	90	Floor mounted	8.6	12.5	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 05
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT5 was floor mounted using four (4) 3/4 in. Grade 5 bolts

UUT5 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT5 mounted on the shake table



Interior of UUT5

Unit Under Test Component Summary Sheet: UUT5

Component Summary				
<i>Subcomponents</i>	<i>Manufacturer</i>	<i>Part No.</i>	<i>Material</i>	<i>Weight, lbs</i>
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.25
Current Transformer	CTE TECH	CR-3	Carbon Steel/Copper/Plastic	2.20
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 2P	Carbon Steel/Copper/Plastic	1.64
MCCB	LS ELECTRIC	UTE100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
Enclosure	LS ELECTRIC	LPB-2 (600AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	583.7

Unit Under Test Summary Sheet: UUT6

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB3-N3-1200-449016
Serial No	ENC-L3-120-N3-449016 (#6)
Date of Mfr.	2024-10
Voltage	480/277 VAC
Elec. Char.	1200 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 3R (Outdoor)) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
990	44	16	90	Floor mounted	7.8	10.9	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 05
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT6 was floor mounted using four (4) 3/4 in. Grade 5 bolts

UUT6 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT6 mounted on the shake table



Interior of UUT6

Unit Under Test Component Summary Sheet: UUT6

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-51	Carbon Steel/Copper/Plastic	6.61
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTE250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
MCCB	LS ELECTRIC	UTS800, 3P	Carbon Steel/Copper/Plastic	31.35
MCCB	LS ELECTRIC	UTS1200, 3P	Carbon Steel/Copper/Plastic	40.28
Enclosure	LS ELECTRIC	LPB-3 (1200AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	641.8

Unit Under Test Summary Sheet: UUT7

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB1-N1-100-244508
Serial No	ENC-L1-025-N1-244508 (#1)
Date of Mfr.	2024-10
Voltage	480 VAC
Elec. Char.	100 A
Frequency	60 Hz 3 PH
Rating	100 kA@240V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
264	24	8	47	Floor mounted	21.9	20.5	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT7 was floor mounted using four (4) 3/4 in. Grade 5 bolts

UUT7 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT7 mounted on the shake table



Interior of UUT7

Unit Under Test Component Summary Sheet: UUT7

Component Summary				
<i>Subcomponents</i>	<i>Manufacturer</i>	<i>Part No.</i>	<i>Material</i>	<i>Weight, lbs</i>
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-1	Carbon Steel/Copper/Plastic	1.24
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 1P	Carbon Steel/Copper/Plastic	0.96
MCCB	LS ELECTRIC	UTE100, 2P	Carbon Steel/Copper/Plastic	1.64
MCCB	LS ELECTRIC	UTE100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
Enclosure	LS ELECTRIC	LPB-1 (250AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	159.0

Unit Under Test Summary Sheet: UUT8

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB2-N1-600-429010
Serial No	ENC-L2-060-N1-429010 (#2)
Date of Mfr.	2024-10
Voltage	480/277 VAC
Elec. Char.	600 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
726	42	10	90	Floor mounted	7.6	20.7	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT8 was floor mounted using four (4) 3/4 in. Grade 5 bolts

UUT8 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT8 mounted on the shake table



Interior of UUT8

Unit Under Test Component Summary Sheet: UUT8

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-3	Carbon Steel/Copper/Plastic	2.20
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.2
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 2P	Carbon Steel/Copper/Plastic	1.64
MCCB	LS ELECTRIC	UTS100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
Enclosure	LS ELECTRIC	LPB-2 (600AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	583.7

Unit Under Test Summary Sheet: UUT9

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB3-N1-800-327516
Serial No	ENC-L3-120-N1-327516 (#3)
Date of Mfr.	2024-10
Voltage	480 VAC
Elec. Char.	800 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
693	32	16	75	Floor mounted	16.8	13.5	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{Ds}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT9 was floor mounted using four (4) 3/4 in. Grade 5 bolts

UUT9 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT9 mounted on the shake table



Interior of UUT9

Unit Under Test Component Summary Sheet: UUT9

Component Summary				
<i>Subcomponents</i>	<i>Manufacturer</i>	<i>Part No.</i>	<i>Material</i>	<i>Weight, lbs</i>
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-51	Carbon Steel/Copper/Plastic	6.61
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
Enclosure	LS ELECTRIC	LPB-3 (1200AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	422.0

Unit Under Test Summary Sheet: UUT10

UUT Description	
Manufacturer:	LS ELECTRIC
Product Name:	Panelboard; Power distribution panel
Model Number:	LPB3-N1-1200-449016
Serial No	ENC-L3-120-N1-449016 (#4)
Date of Mfr.	2024-10
Voltage	480/277 VAC
Elec. Char.	1200 A
Frequency	60 Hz 3 PH
Rating	100kA@480V
Enclosure	NEMA 1 (Indoor) Carbon steel

UUT Properties				Lowest natural frequencies, Hz			
Weight and dimensions							
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
946	44	16	90	Floor mounted	7.8	9.9	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 04
Test Report Number	PEER /STI 2024-15

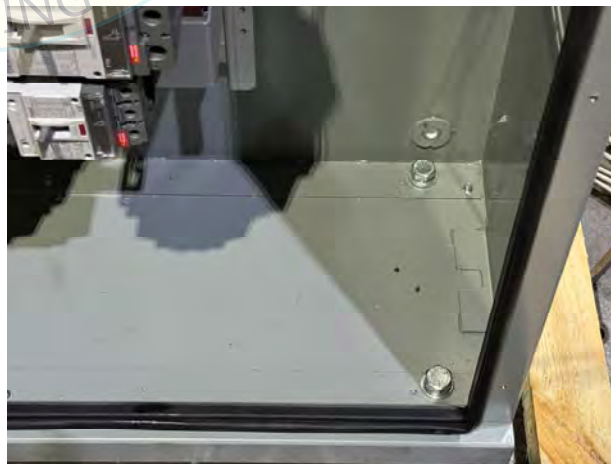
Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	H_f	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	2.00	1	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		3.00	0	1.0	1.0		N/A	N/A	2.00	0.80

UUT10 was floor mounted using four (4) 3/4 in. Grade 5 bolts

UUT10 was full of content during the seismic tests. It maintained structural stability and functionality before and after the seismic certification testing.



UUT10 mounted on the shake table



Interior of UUT10

Unit Under Test Component Summary Sheet: UUT10

Component Summary				
<i>Subcomponents</i>	<i>Manufacturer</i>	<i>Part No.</i>	<i>Material</i>	<i>Weight, lbs</i>
Digital Power Measuring Device	LS ELECTRIC	GIMAC1000 NO	Carbon Steel/Copper/Plastic	1.15
Digital Power Measuring Device	LS ELECTRIC	GIMAC-1000 EX	Carbon Steel/Copper/Plastic	1.15
Digital Power Meter	ROOTECH	ACCURA 2300S	Carbon Steel/Copper/Plastic	1.21
Current Transformer	CTE TECH	CR-51	Carbon Steel/Copper/Plastic	6.61
Digital Power Meter	ROOTECH	ACCURA 2350	Carbon Steel/Copper/Plastic	1.25
Voltage Transformer	HAMMOND	HPS IMPERATOR	Carbon Steel/Copper/Plastic	3.04
Surge Protective Device	Weidmuller	VPU AC II 3 R 300/50	Carbon Steel	0.79
Surge Protective Device	Weidmuller	VPU AC II 3 R 350/50	Carbon Steel	0.89
LAMP	KOINO	KPL25FW	Copper/Plastic	0.23
LAMP	KOINO	KBL25WM	Copper/Plastic	0.24
Selector Switch	KOINO	KSL25	Carbon Steel/Plastic	0.20
Terminal Block	DongA	Power T/B	Carbon Steel/Plastic	0.04
Terminal Block	DongA	Control T/B	Carbon Steel/Plastic	0.04
Fuse	BUSSMANN	CHM1DIU	Carbon Steel, Ceramic	0.04
Timer	OMRON	H5F-B UL	Plastic	0.42
MCCB	LS ELECTRIC	UTE100, 3P	Carbon Steel/Copper/Plastic	2.33
MCCB	LS ELECTRIC	UTS150, 2P	Carbon Steel/Copper/Plastic	3.44
MCCB	LS ELECTRIC	UTS250, 2P	Carbon Steel/Copper/Plastic	3.88
MCCB	LS ELECTRIC	UTS400, 2P	Carbon Steel/Copper/Plastic	12.02
MCCB	LS ELECTRIC	UTS600, 2P	Carbon Steel/Copper/Plastic	13.45
MCCB	LS ELECTRIC	UTS1200, 3P	Carbon Steel/Copper/Plastic	40.28
Enclosure	LS ELECTRIC	LPB-3 (1200AF Frame)	Enclosure and Interior: 3.2mm Steel Plate Hot Commercial Base: 6mm S275 Steel	627.9