



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

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

OFFICE USE ONLY

APPLICATION #: OSP-0210

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: PG LifeLink

Manufacturer's Technical Representative: Keith Van Kerckhove

Mailing Address: 167 Gap Way, Erlanger, KY 41018

Telephone: (859) 372-6276 Email: keithv@pglifelink.com

Product Information

Product Name: Power Isolation and Correction Systems

Product Type: Power Isolation and Correction Systems

Product Model Number: IDP / IDC / DIDP / XTLD / XTL / IPP / IPA / IPX / IPD / IPL

General Description: Isolated Power Distribution Panel units with UL50/NEMA 1 enclosures constructed of mill galvanized carbon steel. Anchorage is site specific by SEOR.

Mounting Description: Recessed Rigid Wall Mount, Rigid Wall Mounted

Tested Seismic Enhancements: None

Applicant Information

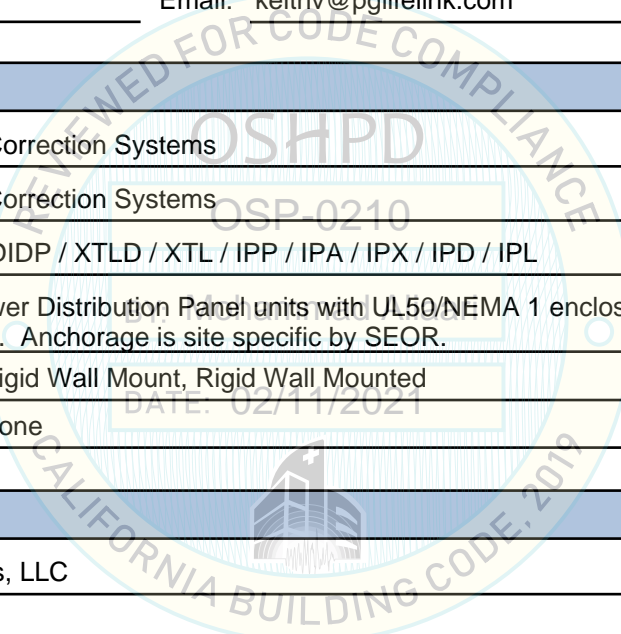
Applicant Company Name: DCL Labs, LLC

Contact Person: Kelly Laplace

Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431

Telephone: (775) 358-5085 Email: kelly@shaketest.com

Title: Business Manager





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

Company Name: THE VMC GROUP
Name: Kenneth Tarlow California License Number: S2851
Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814
Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

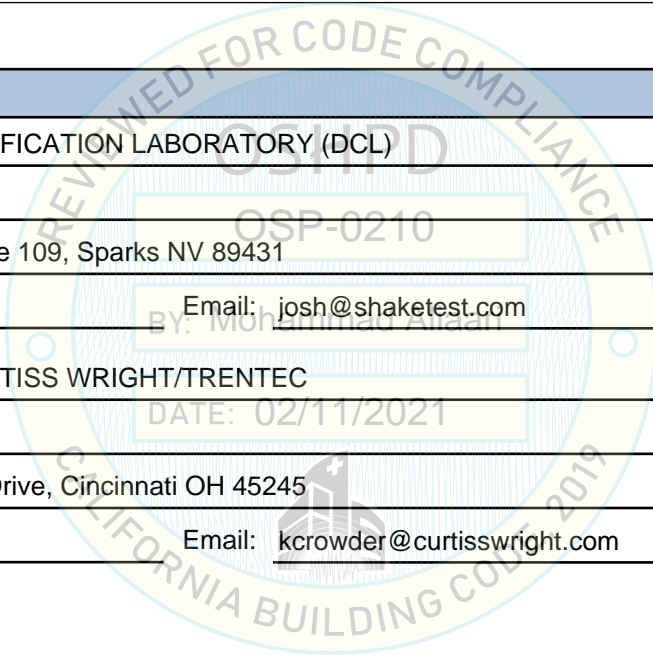
Certification Method

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

Testing Laboratory

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)
Contact Person: Josh Sailer
Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431
Telephone: (775) 358-5085 Email: josh@shaketest.com

Company Name: QUALTECH/CURTISS WRIGHT/TRENTEC
Contact Person: Kevin Crowder
Mailing Address: 4600 East Tech Drive, Cincinnati OH 45245
Telephone: (513) 528-7900 Email: kcrowder@curtisswright.com





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) =	1.44 (SDS = 2.0 @ z/h = 1); 1.13 (SDS = 2.5 @ z/h = 0)
SDS (Design spectral response acceleration at short period, g) =	2.00 (z/h=1), 2.50 (z/h=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) =	N/A
Overall dimensions and weight =	See attachments

OSHPD Approval (For Office Use Only) - Approval Expires on 12/31/2025

Date:	2/11/2021		
Name:	Mohammad Aliaari	Title:	Senior Structural Engineer
Special Seismic Certification Valid Up to: SDS (g) =	See Above	z/h =	See Above
Condition of Approval (if applicable):	DATE: 02/11/2021		

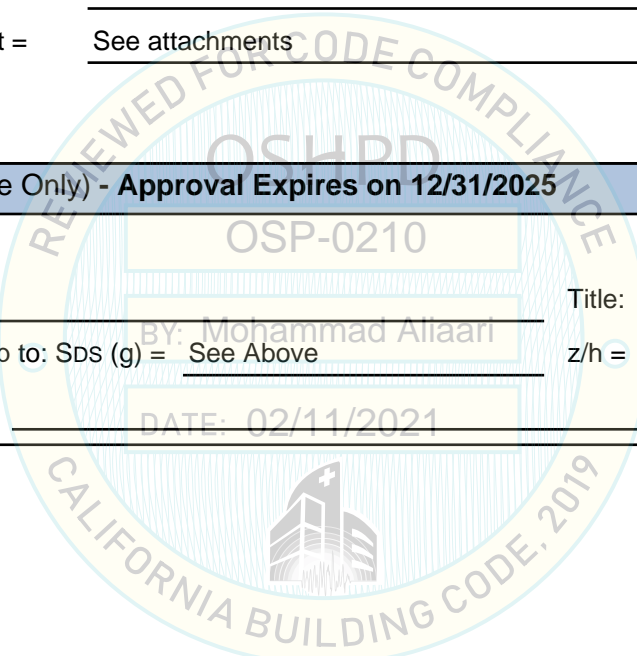


Table 1: Certified Components- Standard Isolated Power Panels

Manufacturer: PG LifeLink

Mounting Configuration: Recessed Rigid Wall Mount

Product Type: Standard Isolated Power Panels

Product Construction: NEMA 1, Galvanized 12ga and 14ga Carbon Steel Enclosure

Models: IDP / IDC / DIDP / XTLD / XTL

Seismic Level: Sds = 2.0g, z/h =1.0; Sds = 2.5g, z/h = 0.0



Isolated Power Panels – PG LifeLink (Alternate Branding: General Electric / ABB)																		
kVA	Model Numbers ¹	Voltage (Primary / Secondary)	Front Panels ⁴	Max Dimensions (in.)			Max Weight ² (lb.)	Unit ³										
				Height	Width	Depth												
IDP / IDC Panels⁵																		
3	IDP3xxxxxVx04	480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	54	22	6	250	Extrapolated										
	IDP3xxxxxNx04		Non-Vented	54	22	6	250	Extrapolated										
	IDC3xxxxxVx04xxx		Vented	54	22	6	250	Extrapolated										
	IDC3xxxxxNx04xxx		Non-Vented	54	22	6	250	Extrapolated										
5	IDP5xxxxxVx04		480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	54	22	6	290	Extrapolated									
	IDP5xxxxxNx04			Non-Vented	54	22	6	290	Extrapolated									
	IDC5xxxxxVx04xxx			Vented	54	22	6	290	Extrapolated									
	IDC5xxxxxNx04xxx			Non-Vented	54	22	6	290	Extrapolated									
7.5	IDP7xxxxxVx07			480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	54	22	6	310	Extrapolated								
	IDP7xxxxxNx07				Non-Vented	60	25	10	315	Extrapolated								
	IDC7xxxxxVx07xxx				Vented	54	22	6	310	Extrapolated								
	IDC7xxxxxNx07xxx				Non-Vented	60	25	10	315	Extrapolated								
10	IDP10xxxxxVx07	480 VAC to 120 VAC / 240 VAC to 120 VAC			Vented	60	25	10	325	Extrapolated								
	IDP10xxxxxNx07				Non-Vented	60	25	12	330	Extrapolated								
	IDC10xxxxxVx07xxx				Vented	60	25	10	325	Extrapolated								
	IDC10xxxxxNx07xxx				Non-Vented	60	25	12	330	Extrapolated								
15	IDP15xxxxxVx06		480 VAC to 120 VAC / 240 VAC to 120 VAC		Vented	60	25	10	355	Extrapolated								
	IDP15xxxxxNx06				Non-Vented	60	25	12	358	Extrapolated								
	IDC15xxxxxVx06xxx				Vented	60	25	10	355	Extrapolated								
	IDC15xxxxxNx06xxx				Non-Vented	60	25	12	358	Extrapolated								
	IDC15GB160GFNF13D44			480 VAC / 120 VAC	Non-Vented	60	25	12	358	UUT1								
DIDP Panels																		
3 / 3	DIDPL3xxxxR3xxxxxxVx22			480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	425	Interpolated								
	DIDPL3xxxxR3xxxxxxNx22				Non-Vented	70	35	8	425	Interpolated								
3 / 5	DIDPL3xxxxR5xxxxxxVx22	480 VAC to 120 VAC / 240 VAC to 120 VAC			Vented	70	35	8	495	Interpolated								
	DIDPL3xxxxR5xxxxxxNx22				Non-Vented	70	35	8	495	Interpolated								
3 / 7.5	DIDPL3xxxxR7xxxxxxVx22				480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	545	Interpolated							
	DIDPL3xxxxR7xxxxxxNx22					Non-Vented	70	35	8	545	Interpolated							
3 / 10	DIDPL3xxxxR10xxxxxxVx22		480 VAC to 120 VAC / 240 VAC to 120 VAC			Vented	70	35	8	555	Interpolated							
	DIDPL3xxxxR10xxxxxxNx22					Non-Vented	70	35	8	555	Interpolated							
5 / 5	DIDPL5xxxxR5xxxxxxVx22					480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	540	Interpolated						
	DIDPL5xxxxR5xxxxxxNx22						Non-Vented	70	35	8	540	Interpolated						
5 / 7.5	DIDPL5xxxxR7xxxxxxVx22						480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	550	Interpolated					
	DIDPL5xxxxR7xxxxxxNx22							Non-Vented	70	35	8	550	Interpolated					
5 / 10	DIDPL5xxxxR10xxxxxxVx22							480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	560	Interpolated				
	DIDPL5xxxxR10xxxxxxNx22								Non-Vented	70	35	8	560	Interpolated				
7.5 / 7.5	DIDPL7xxxxR7xxxxxxVx22								480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	560	Interpolated			
	DIDPL7xxxxR7xxxxxxNx22									Non-Vented	70	35	8	560	Interpolated			
7.5 / 10	DIDPL7xxxxR10xxxxxxVx22									480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	585	Interpolated		
	DIDPL7xxxxR10xxxxxxNx22										Non-Vented	70	35	8	585	Interpolated		
10 / 10	DIDPL10xxxxR10xxxxxxVx22										480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	35	8	615	Interpolated	
	DIDPL10xxxxR10xxxxxxNx22											Non-Vented	70	35	8	615	Interpolated	
	DIDPL10GB160R10GB160GFNF21-H											480 VAC / 120 VAC	Non-Vented	70	30	14	630	UUT2 ⁷
15 / 5	DIDPL15xxxxR5xxxxxxVx21											480 VAC to 120 VAC / 240 VAC to 120 VAC	Vented	70	30	14	630	Interpolated
	DIDPL15xxxxR5xxxxxxNx21												Non-Vented	70	30	14	630	Interpolated
XTLD Panels⁶																		
10	XTLD10xHxxxxLxxxxxxVx20			480 VAC to 120 VAC / 240 VAC to 120 VAC									Vented	70	30	12	520	Interpolated
	XTLD10xHxxxxLxxxxxxNx20												Non-Vented	70	30	12	520	Interpolated
12.5	XTLD12xHxxxxLxxxxxxVx20	480 VAC to 120 VAC / 240 VAC to 120 VAC											Vented	70	30	12	530	Interpolated
	XTLD12xHxxxxLxxxxxxNx20												Non-Vented	70	30	12	530	Interpolated
15	XTLD15xHxxxxLxxxxxxVx20				480 VAC to 120 VAC / 240 VAC to 120 VAC								Vented	70	30	12	545	Interpolated
	XTLD15xHxxxxLxxxxxxNx20												Non-Vented	70	30	12	545	Interpolated
17.5	XTLD17xHxxxxLxxxxxxVx20		480 VAC to 120 VAC / 240 VAC to 120 VAC										Vented	70	30	12	560	Interpolated
	XTLD17xHxxxxLxxxxxxNx20												Non-Vented	70	30	12	560	Interpolated
20	XTLD20xHxxxxLxxxxxxVx20					480 VAC to 120 VAC / 240 VAC to 120 VAC							Vented	70	30	12	575	Interpolated
	XTLD20xHxxxxLxxxxxxNx20												Non-Vented	70	30	12	575	Interpolated
22.5	XTLD22xHxxxxLxxxxxxVx20						480 VAC to 120 VAC / 240 VAC to 120 VAC						Vented	70	30	12	585	Interpolated
	XTLD22xHxxxxLxxxxxxNx20												Non-Vented	70	30	12	585	Interpolated
25	XTLD25xHxxxxLxxxxxxVx21							480 VAC to 120 VAC / 240 VAC to 120 VAC					Vented	70	30	14	600	Interpolated
	XTLD25xHxxxxLxxxxxxNx21												Non-Vented	70	30	14	600	Interpolated
XTL Panels																		
15	XTL15xxxxxVx20xxxx								480 VAC to 120 VAC / 240 VAC to 120 VAC				Vented	70	30	12	535	Interpolated
	XTL15xxxxxNx20xxxx									Non-Vented			70	30	12	535	Interpolated	
20	XTL20xxxxxVx20xxxx									480 VAC to 120 VAC / 240 VAC to 120 VAC			Vented	70	30	12	555	Interpolated
	XTL20xxxxxNx21xxxx										Non-Vented		70	30	14	565	Interpolated	
25	XTL25xxxxxVx20xxxx										480 VAC to 120 VAC / 240 VAC to 120 VAC		Vented	70	30	12	565	Interpolated
	XTL25xxxxxNx21xxxx												Non-Vented	70	30	14	570	Interpolated
	XTL25GC120CFNA21120LR											480 VAC / 208 VAC	Non-Vented	70	30	14	570	UUT3

1. Options (designated as "x" in certified model numbers). See Table 2 for the model number nomenclature guide.

2. Max Weight includes largest enclosures and accessories

3. Maxed out configurations were tested in the tested units

4. Vented panels include openings for ventilation of panel interior

5. IDC Panels contain openings for receptacles while IDP Panels do not contain openings for receptacles

6. XTLD Panels are Standard Dual Voltage Isolated Power Panels that have two separate output voltages. XTLD Panels are bookended by UUT2 and UUT3.

7. UUT2 contained two 10kVA transformers that allow for a total rating of 20kVA

**TABLE 2
STANDARD ISOLATED POWER PANEL
MODEL NUMBER GUIDE**

Models: IDP - Isolated Power Panels, IDC - Accessory Isolated Power Panels, DIDP - Duplex Isolated Power Panel, XTLD - Dual Voltage Isolated Power Panel, XTL - Laser Isolated Power Panel

Panel Type	kVA Size	Primary Voltage	Secondary Voltage	Branch CB Qty.	Future CB Spaces	CB Brand	Mounting	Front	LIM	Backbox Size	Recept. Type	Recept. Qty.	Ground Jack Qty.	35A**** Cont.	60A Cont.	Lock-out	Remote Annunciator Type	Special Code
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IDP	3 - 3 kVA	B - 120 VAC	B - 120 VAC	0	0	D - Square-D	F - Flush	V - Vented	A - Mark IV	See Below	D - Duplex 20A	0	0	0	0	L - Lock-out	D - DRA-1V	H - Hinged Front
IDC	5 - 5 kVA	C - 208 VAC	C - 208 VAC	1	1	G - GE	S - Surface	N - Non-Vented	B - Mark III		S - Simplex 20A	1	1		1	Q - No Lock-out	R - DRA-1	
DIDP*	7 - 7.5 kVA	D - 220 VAC	D - 220 VAC	2	2	C - C-H			F - Mark V			2	2		2		N - None	
XTL	10 - 10 kVA	E - 240 VAC	E - 240 VAC	3	3	S - Siemens						3	3		3			
XTLD**	12 - 12.5 kVA	F - 277 VAC	F - 277 VAC	4	4							4	4		4			
	15 - 15 kVA	G - 480 VAC	G - 480 VAC	5	5							5	5		5			
	17 - 17.5 kVA			6	6							6	6		6			
	20 - 20 kVA			7	7							7	7		7			
	22 - 22.5 kVA			8	8							8	8		8			
	25 - 25 kVA			9	9							9	9		9			
				10	10							10	10		10			
				11	11							11	11		11			
				12	12							12	12		12			
				13	13													
				14	14													
				15	15													
				16	16													

For IDC panels only (Leave blank for others)

For XTL panels only (Leave blank for others)

Standard Panel Sizing

Front Type	kVA Size	Back Box Size	Model Dsgntr	Front Type	kVA Size	Back Box Size	Model Dsgntr	
								IDP Panels
Non-Vented	3	54"H x 22"W x 6"D	04	Non-Vented	5 / 5	70"H x 35"W x 8"D	22	
	5				7.5 / 7.5			
	7.5	60"H x 25"W x 8"D	07		10 / 10			
	10				15 / 15	70"H x 30"W x 14"D	21	
	15	60"H x 25"W x 12"D	06		XTLD Panels			
Non-Vented	3	54"H x 22"W x 6"D	04	Non-Vented	10	70"H x 30"W x 12"D	20	
	5				15	70"H x 30"W x 14"D	21	
	7.5	60"H x 25"W x 8"D	07		XTL Panels			
	10				15	70"H x 30"W x 12"D	20	
	15	60"H x 25"W x 12"D	06		25	70"H x 30"W x 14"D	21	
Vented	3	54"H x 22"W x 6"D	04	Vented	5 / 5	70"H x 35"W x 8"D	22	
	5				7.5 / 7.5			
	7.5	60"H x 25"W x 8"D	07		10 / 10			
	10				15 / 15	70"H x 30"W x 14"D	21	
	15	60"H x 25"W x 12"D	06		XTLD Panels			
Vented	3	54"H x 22"W x 6"D	04	Vented	10	70"H x 30"W x 12"D	20	
	5				15	70"H x 30"W x 14"D	21	
	7.5	60"H x 25"W x 8"D	07		XTL Panels			
	10				15	70"H x 30"W x 12"D	20	
	15	60"H x 25"W x 12"D	06		25	70"H x 30"W x 14"D	21	

Max. CB's + Spares:
IDP/IDC/DIDP = 16
XTL = 12

* For Duplex panels specify Left and Right kVA, volts, and CB configuration
** For Dual panels specify voltage and CB config, for High and Low sec. windings
*** 347VAC and 600VAC for CSA Certified panels only
**** 35A Contactor no longer used. Select 0

EXAMPLES:

IDP5FB142DSVF04
Isolated Power Panel:
5kVA, 277/120V, 14 CB, 2 Future
Square-D, Surface Mount, Vented,
Mark V LIM, 54"x22"x6"

IDC7CB120CFNA07D64
Isolated Power Center:
7.5kVA, 208/120V, 12 CB, 0 Future
Cutler-Hammer, Flush Mount, Non-Vented,
Mark IV LIM, 60"x25"x8",
6 Duplex Receptacles, 4 Gnd Jacks

DIDPLR10CB124CFNF22-H
Duplex Isolated Power Panel:
Left & Right: 10kVA, 208/120V, 12 CB, 4 Future
Cutler-Hammer, Flush Mount, Non-Vented,
Mark V LIM, 70x30x14,
Hinged Front

(Note: Symmetrical panels designated as "LR")

DIDPL10FB124R15FB160GFNA21-H
Duplex Isolated Power Panel:
Left: 10kVA, 277/120V, 12 CB, 4 Future
Right: 15kVA, 277/120V, 16 CB, 0 Future
GE, Flush Mount, Non-Vented,
Mark IV LIM, 70x30x14, Hinged Front

(Note: Non-symmetrical panels separate "L" & "R")

XTL25GC84CFVF2008LR
Laser/X-Ray Isolated Panel:
25kVA, 480/208V, 8 Circuit, 4 Future,
Cutler-Hammer, Flush Mount, Vented,
Mark V LIM, 8 Contactors, Lock-Out,
DRA-1 Remote, 70"x30"x12"

XTLD25FH15C210L10B124GFNF21-H
Dual Winding Isolated Panel:
25kVA Total, 277V Primary
High: 15kVA, 208V Secondary, 2 CB
Low: 10kVA, 120V Secondary, 12 CB, 4 Future
GE, Flush Mount, Non-Vented,
Mark V LIM, 70"x30"x14", Hinged Front

Table 3: Certified Components- Enhanced Isolated Power Panels

Manufacturer: PG LifeLink

Mounting Configuration: Recessed Rigid Wall Mount

Product Type: Enhanced Isolated Power Panels

Product Construction: NEMA 1, Galvanized 12ga and 14ga Carbon Steel Enclosure

Models: IPP / IPA / IPX / IPD / IPL

Seismic Level: Sds = 2.0g, z/h =1.0; Sds = 2.5g, z/h = 0.0



Enhanced Isolated Power Panels- PG LifeLink								
kVA	Model Numbers ¹	Voltage (Primary / Secondary)	Front Panels	Max Dimensions (in.) ⁶			Max Weight ² (lb.)	Unit ³
				Height	Width	Depth		
IPP / IPA Panels								
3	IPP-x03xxxxFP1xxxx	480 VAC to 120 VAC / 240 VAC to 120 VAC	Non-Vented	47	26	6	214	Extrapolated ⁴
3	IPA-x03xxxxFP1xxxx			47	26	6	214	Extrapolated ⁴
5	IPP-x05xxxxFP1xxxx	120 VAC / 120 VAC		47	26	6	214	Extrapolated ⁴
5	IPA-x05xxxxFP1xxxx			47	26	6	214	Extrapolated ⁴
5	IPA-S05D16DFP1DR66	480 VAC to 120 VAC / 240 VAC to 120 VAC		47	26	6	214	UUT4
7.5	IPP-x07xxxxFP2xxxx			56	26	6	296	Interpolated
7.5	IPA-x07xxxxFP2xxxx	480 VAC to 120 VAC / 240 VAC to 120 VAC		56	26	6	296	Interpolated
10	IPP-x10xxxxFP2xxxx			56	26	6	296	Interpolated
10	IPA-x10xxxxFP2xxxx	480 VAC / 120 VAC		56	26	6	296	Interpolated
10	IPA-S10D16FP2DR66			56	26	6	296	UUT5
IPX Panels								
3 / 3	IPX-Lx03xxxRx03xxxxFX1	480 VAC to 120 VAC / 240 VAC to 120 VAC	Non-Vented	56	38	6	500	Interpolated
3 / 5	IPX-Lx03xxxRx05xxxxFX1			56	38	6	500	Interpolated
3 / 7.5	IPX-Lx03xxxRx07xxxxFX1			56	38	6	500	Interpolated
3 / 10	IPX-Lx03xxxRx10xxxxFX1			56	38	6	500	Interpolated
5 / 5	IPX-Lx05xxxRx05xxxxFX1			56	38	6	550	Interpolated
5 / 7.5	IPX-Lx05xxxRx07xxxxFX1			56	38	6	550	Interpolated
5 / 10	IPX-Lx05xxxRx10xxxxFX1			56	38	6	550	Interpolated
7.5 / 7.5	IPX-Lx07xxxRx07xxxxFX1			56	38	6	550	Interpolated
7.5 / 10	IPX-Lx07xxxRx10xxxxFX1			56	38	6	566	Interpolated
10 / 10	IPX-Lx10xxxRx10xxxxFX1			56	38	6	566	Interpolated
10 / 10	IPX-LM10D16RM10D16SFX1	208 VAC / 120 VAC	56	38	6	566	UUT6	
IPD Panels⁵								
10	IPD-xH05xxxL05DxxxFD1	480 VAC to 208 VAC / 240 VAC to 120 VAC	Non-Vented	56	38	12	600	Interpolated
12.5	IPD-xH07xxxL05DxxxFD1			56	38	12	600	Interpolated
15	IPD-xH07xxxL07DxxxFD1			56	38	12	600	Interpolated
17.5	IPD-xH10xxxL07DxxxFD1			56	38	12	600	Interpolated
20	IPD-xH10xxxL10DxxxFD1			56	38	12	600	Interpolated
22.5	IPD-xH15xxxL07DxxxFD1			56	38	12	600	Interpolated
25	IPD-SH15H02L10D16EFD1	480 VAC / 208 VAC / 120 VAC	56	38	12	640	UUT7	
IPL Panels								
15	IPL-x15xxxFL1x	480 VAC to 208 VAC / 240 VAC to 208 VAC	Non-Vented	56	32	12	580	Interpolated
25	IPL-x25xxxFL1x	480 VAC / 240VAC		56	32	12	580	Interpolated
25	IPL-S25H12GFL1L	480 VAC / 240VAC		56	32	12	580	UUT8

1. Options (designated as "x" in certified model numbers, whereas "X" is part of the model number nomenclature). See Table 4 through Table 7 for the model number nomenclature guides.

2. Max Weight includes largest enclosures and accessories

3. Maxed out configurations were tested in the tested units

4. Extrapolated unit is similar in construction to UUT4

5. IPD Panels are Dual Voltage Isolated Power Panels that contain two secondary voltages

6. The dimensions of each unit represents the unit with the front panel installed

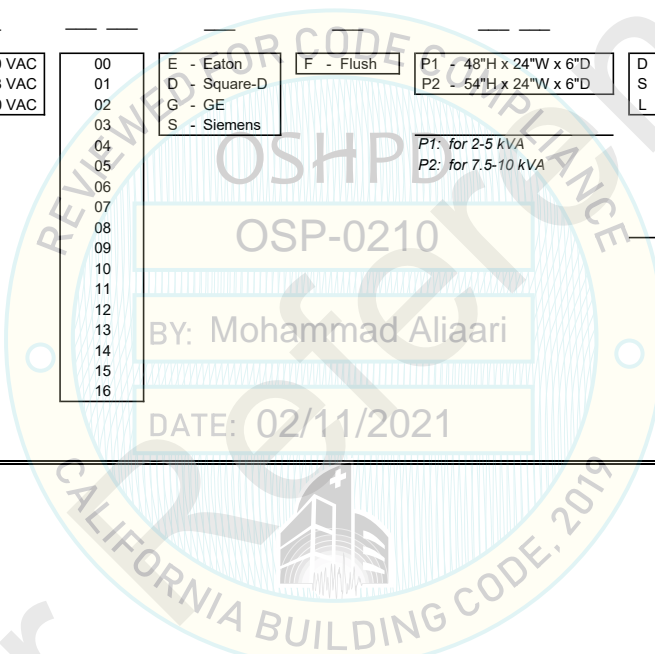
**TABLE 4
ENHANCED ISOLATED POWER PANEL
MODEL NUMBER GUIDE**

**Models: IPP - Isolated Power Panels
IPA - Accessory Isolated Power Panels**

Panel Type	Primary Voltage	kVA Size	Secondary Voltage	Branch CB Qty.	CB Brand	Mounting Type	Backbox Size	Recept. Type	Recept. Color	Recept Qty.	Ground Jack Qty.
IPP IPA	D - 120 VAC H - 208 VAC L - 240 VAC M - 277 VAC S - 480 VAC	03 - 3 kVA 05 - 5 kVA 07 - 7.5 kVA 10 - 10 kVA	D - 120 VAC H - 208 VAC L - 240 VAC	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16	E - Eaton D - Square-D G - GE S - Siemens	F - Flush	P1 - 48"H x 24"W x 6"D P2 - 54"H x 24"W x 6"D P1: for 2-5 kVA P2: for 7.5-10 kVA	D - HG Duplex S - HG Simplex L - HG Twistlock	R - Red G - Grey V - Ivory W - White B - Black N - Brown L - Blue	0 1 2 3 4 5 6	0 1 2 3 4 5 6
											* -
											*For IPA accessory panels only (leave blank for others)

Restricted Voltages

	120	208	240	277	480
3.0					
5.0					
7.5					
10.0					
12.5					
15.0					
17.5	X				
20.0	X				
22.5	X				
25.0	X				



**TABLE 5
ENHANCED ISOLATED POWER PANEL
MODEL NUMBER GUIDE**

Model: IPX - Duplex Isolated Power Panels

Panel Type	Left Side	Primary Voltage	kVA Size	Secondary Voltage	Branch CB Qty.	Right Side	Primary Voltage	kVA Size	Secondary Voltage	Branch CB Qty.	CB Brand	Mounting Type	Backbox Size
IPX	L - Left	D - 120 VAC H - 208 VAC L - 240 VAC M - 277 VAC S - 480 VAC	03 - 3 kVA 05 - 5 kVA 07 - 7.5 kVA 10 - 10 kVA	D - 120 VAC H - 208 VAC L - 240 VAC	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16	R - Right	D - 120 VAC H - 208 VAC L - 240 VAC M - 277 VAC S - 480 VAC	03 - 3 kVA 05 - 5 kVA 07 - 7.5 kVA 10 - 10 kVA	D - 120 VAC H - 208 VAC L - 240 VAC	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16	E - Eaton D - Square-D G - GE S - Siemens	F - Flush	X1 - 54"H x 36"W x 6"D
<i>Left Side Configuration</i>						<i>Right Side Configuration</i>							

Restricted Voltages

	120	208	240	277	480
3.0					
5.0					
7.5					
10.0					
12.5					
15.0					
17.5	X				
20.0	X				
22.5	X				
25.0	X				

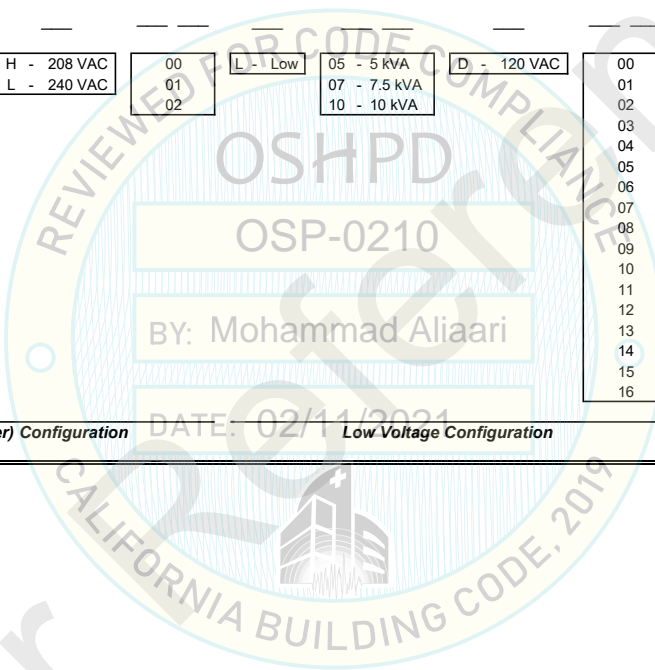
**TABLE 6
ENHANCED ISOLATED POWER PANEL
MODEL NUMBER GUIDE**

Model: IPD - Dual Voltage Isolated Power Panels

Panel Type	Primary Voltage	High Side	kVA Size	Secondary Voltage	Branch CB Qty.	Low Side	kVA Size	Secondary Voltage	Branch CB Qty.	CB Brand	Mounting Type	Backbox Size
IPD	H - 208 VAC L - 240 VAC M - 277 VAC S - 480 VAC	H - High	05 - 5 kVA 07 - 7.5 kVA 10 - 10 kVA 15 - 15 kVA	H - 208 VAC L - 240 VAC	00 01 02	L - Low	05 - 5 kVA 07 - 7.5 kVA 10 - 10 kVA	D - 120 VAC	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16	E - Eaton D - Square-D G - GE S - Siemens	F - Flush	D1 - 54"H x 36"W x 12"D
High Voltage (Laser) Configuration						Low Voltage Configuration						

Restricted Voltages

kVA	Restricted Voltages				
	120	208	240	277	480
3.0					
5.0					
7.5					
10.0					
12.5					
15.0					
17.5	X				
20.0	X				
22.5	X				
25.0	X				



**TABLE 7
ENHANCED ISOLATED POWER PANEL
MODEL NUMBER GUIDE**

Model: IPL - Laser Isolated Power Panels

Panel Type	Primary Voltage	kVA Size	Secondary Voltage	Branch CB Qty.	CB Brand	Mounting Type	Backbox Size	Control Type
IPL	H - 208 VAC L - 240 VAC M - 277 VAC S - 480 VAC	15 - 15 kVA 25 - 25 kVA	H - 208 VAC L - 240 VAC	00 01 02 03 04 05 06 07 08 09 10 11 12	E - Eaton D - Square-D G - GE S - Siemens	F - Flush	L1 - 54"H x 30"W x 12"D	L - OM Plug-Control Q - No Lockout Cntrl

Restricted Voltages

kVA	Restricted Voltages				
	120	208	240	277	480
3.0					
5.0					
7.5					
10.0					
12.5					
15.0					
17.5	X				
20.0	X				
22.5	X				
25.0	X				

Table 8: Certified Subcomponents

Manufacturer: PG LifeLink

Product Type: Standard and Enhanced Isolated Power Panels

Models: IPP / IPA/ IPX / IPD / IPL / IDP / IDC / DIDP / XTLD / XTL

Seismic Level: Sds = 2.0g, z/h =1.0; Sds = 2.5g, z/h = 0.0



Enclosures							
Model Number	Manufacturer	Description	Model Line	Construction Material	NEMA Rating	Approx. Weight (lb.)	Unit
BB542206	PG LifeLink	54" H x 22" W x 6" D	IDP, IDC	14ga A653 Galvanized Carbon Steel	1	45	Extrapolated ¹
BB602508	PG LifeLink	60" H x 25" W x 8" D	IDP, IDC		1	54	Extrapolated ¹
BB602510	PG LifeLink	60" H x 25" W x 10" D	IDP, IDC		1	63	Extrapolated ¹
BB602512	PG LifeLink	60" H x 25" W x 12" D	IDP, IDC		1	73	UUT1
BB703006	PG LifeLink	70" H x 30" W x 6" D	DIDP, XTLD, XTL	12ga A653 Galvanized Carbon Steel	1	105	Interpolated
BB703008	PG LifeLink	70" H x 30" W x 8" D	DIDP, XTLD, XTL		1	117	Interpolated
BB703010	PG LifeLink	70" H x 30" W x 10" D	DIDP, XTLD, XTL		1	129	Interpolated
BB703012	PG LifeLink	70" H x 30" W x 12" D	DIDP, XTLD, XTL		1	141	Interpolated
BB703014	PG LifeLink	70" H x 30" W x 14" D	DIDP, XTLD, XTL		1	154	UUT2 & UUT3
699-271-1004	PG LifeLink	45" H x 24" W x 6" D	IPP, IPA	14ga A653 Galvanized Carbon Steel	1	45	UUT4
699-271-1010	PG LifeLink	54" H x 24" W x 6" D	IPP, IPA		1	52	UUT5
699-271-1020	PG LifeLink	54" H x 36" W x 6" D	IPX	12ga A653 Galvanized Carbon Steel	1	100	UUT6
699-271-1040	PG LifeLink	54" H x 30" W x 12" D	IPL		1	125	UUT8
699-271-1030	PG LifeLink	54" H x 36" W x 12" D	IPD		1	140	UUT7

1. Extrapolated enclosures are smaller in dimension than the enclosure tested in UUT1

Front Panels							
Model Number	Manufacturer	Description	Model Line	Construction Material	NEMA Rating	Approx. Weight (lb.)	Unit
FRT446	PG LifeLink	56" H x 24" W, Vented	IDP, IDC	14ga 304 Stainless Steel	1	30	Extrapolated ¹
FRT475	PG LifeLink	56" H x 24" W, Non-Vented	IDP, IDC		1	32	Extrapolated ¹
FRT318	PG LifeLink	62" H x 27" W, Vented	IDP, IDC		1	46	Extrapolated ²
FRT320	PG LifeLink	62" H x 27" W, Non-Vented	IDP, IDC	12ga 304 Stainless Steel	1	48	UUT1
FRT003	PG LifeLink	72" H x 32" W, Vented	DIDP, XTLD, XTL		1	66	Interpolated
FRT024	PG LifeLink	72" H x 32" W, Non-Vented	DIDP, XTLD, XTL		1	68	UUT2 & UUT3
699-272-1004	PG LifeLink	47" H x 26" W	IPP	14ga 304 Stainless Steel	1	30	Extrapolated
699-272-1005	PG LifeLink	47" H x 26" W	IPA		1	30	UUT4
699-272-1010	PG LifeLink	56" H x 26" W	IPP		1	35	Interpolated
699-272-1011	PG LifeLink	56" H x 26" W	IPA		1	35	UUT5
699-272-1040	PG LifeLink	56" H x 32" W	IPL		1	40	UUT8
699-272-1020	PG LifeLink	56" H x 38" W	IPX		1	50	UUT6
699-272-1030	PG LifeLink	56" H x 38" W	IPD		1	50	UUT7

1. Extrapolated front panels are smaller in dimension than the enclosure tested in UUT1

2. Extrapolated vented front panel has the same dimensions as the front panel tested in UUT1

Table 9: Certified Subcomponents, Continued

Product Type: Standard and Enhanced Isolated Power Panels

Models: IPP / IPA / IPX / IPD / IPL / IDP / IDC / DIDP / XTLD / XTL

Seismic Level: Sds = 2.0g, z/h = 1.0; Sds = 2.5g, z/h = 0.0



Transformers							
Model Number ¹	Manufacturer	Description	Model Line	Construction Material	Mounting ²	Approx. Weight (lb.)	Unit ³
21-03xx	Dongan	3kVA Hospital Isolation Trans. (480V-120V)	IDP, IDC, DIDP, IPP, IPA, IPX	Copper, open coil	BP	55	Extrapolated
21-05xx	Dongan	5kVA Hospital Isolation Trans. (480V-120V)	IDP, IDC, DIDP, IPP, IPA, IPX	Copper, open coil		90	UUT4
21-07xx	Dongan	7.5kVA Hospital Isolation Trans. (480V-120V)	IDP, IDC, DIDP, IPP, IPA, IPX	Copper, open coil		115	Interpolated
21-10xx	Dongan	10kVA Hospital Isolation Trans. (480V-120V)	IDP, IDC, DIDP, XTLD, IPP, IPA, IPX, IPD	Copper, open coil		140	UUT2 (2ea.), UUT5, UUT6
21-12xx	Dongan	12.5kVA Hospital Isolation Trans. (480V-120V)	XTLD, IPD	Copper, open coil	Upright Mounted on Unit Shelf	175	Interpolated
21-15xx	Dongan	15kVA Hospital Isolation Trans. (480V-120V)	IDP, IDC, DIDP, XTLD, XTL, IPX, IPD, IPL	Copper, open coil		185	UUT1
21-17xx	Dongan	17.5kVA Hospital Isolation Trans. (480V-120V)	XTLD, IPD	Copper, open coil		225	Interpolated
21-20xx	Dongan	20kVA Hospital Isolation Trans. (480V-120V)	XTLD, XTL, IPD	Copper, open coil		250	Interpolated
21-22xx	Dongan	22.5kVA Hospital Isolation Trans. (480V-120V)	XTLD, IPD	Copper, open coil		275	Interpolated
21-25xx	Dongan	25kVA Hospital Isolation Trans. (480V-120V)	XTLD, XTL, IPD, IPL	Copper, open coil		350	UUT3, UUT7, UUT8
Line Isolation Monitor							
Model Number	Manufacturer	Description	Model Line		Mounting ²	Approx. Weight (lb.)	Unit
Mark IV	PG LifeLink	Line Isolation Monitor	IDP, IDC, DIDP, XTLD, XTL		BP	2	UUT2 & UUT3
Mark V	PG LifeLink	Line Isolation Monitor	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP / Front Panel	2	UUT1 & UUT2, UUT4 UUT5, UUT6, UUT7, UUT8
SafeDetec	PG LifeLink	Line Isolation Monitor	IPP, IPA, IPX, IPD, IPL		Front Panel	2	UUT6
Branch Circuit Breakers							
Model Number	Manufacturer	Description	Model Line		Mounting ²	Approx. Weight (lb.)	Unit
THQB	GE	Molded Case Circuit Breaker, 100A Frame	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP	1	UUT1, UUT8
BL	Siemens	Molded Case Circuit Breaker, 125A Frame	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP	1	UUT3, UUT6
BAB	Eaton	Molded Case Circuit Breaker, 125A Frame	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP	1	UUT2, UUT5, UUT7
QOB	Square D	Molded Case Circuit Breaker, 125A Frame	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP	1	UUT2, UUT4
Receptacles							
Model Number	Manufacturer	Description	Model Line		Mounting ²	Approx. Weight (lb.)	Unit
HBL8300H	Hubbell	Hospital Grade Receptacle, 20A, 125V	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP	1	UUT1, UUT4, UUT5
Ground Jacks							
Model Number	Manufacturer	Description	Model Line		Mounting ²	Approx. Weight (lb.)	Unit
SLR	Hampden	Twist Lock Ground Jack, 30A	IDP, IDC, DIDP, XTLD, XTL, IPP, IPA, IPX, IPD, IPL		BP	1	UUT1, UUT4, UUT5

1. The "xx" noted in the transformer model numbers indicate the voltage specifications of the panel

2. BP is an abbreviation for "Back Plate".

3. UUT2 contained two 10kVA transformers that allowed the unit to be rated at 20kVA

Table 10: Certified Subcomponents, Continued

Product Type: Standard and Enhanced Isolated Power Panels

Models: IPP / IPA/ IPX / IPD / IPL / XTL

Seismic Level: Sds = 2.0g, z/h =1.0; Sds = 2.5g, z/h = 0.0



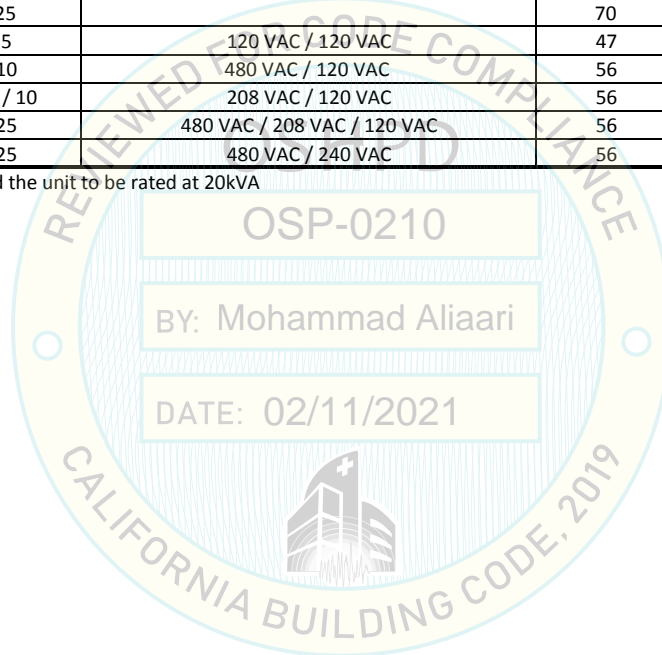
Control Relays						
Model Number	Manufacturer	Description	Model Line	Mounting ¹	Approx. Weight (lb.)	Unit
XTCE040D00TD	Eaton	Relay, 65A, 600V	XTL, IPP, IPA, IPX, IPD, IPL	BP	4	UUT3, UUT8
XTCE018C10TD	Eaton	Relay, 40A, 600V	IPL	BP	3	UUT8
Communication Module						
Model Number	Manufacturer	Description	Model Line	Mounting ¹	Approx. Weight (lb.)	Unit
GC-485COM	PG LifeLink	RS-485 to TCP/IP Data Converter	IPP, IPA, IPX, IPD, IPL	BP	<1	UUT5, UUT7
Programmable Controllers						
Model Number	Manufacturer	Description	Model Line	Mounting ¹	Approx. Weight (lb.)	Unit
CO-01AC	Automation Direct	Click PLC Power Supply	IPL	BP	1	UUT8
CO-01DR-D	Automation Direct	Click PLC CPU Module	IPL	BP	1	UUT8
CO-11DRE-D	Automation Direct	Click PLC CPU Module	IPL	BP	1	UUT8
CO-08TR	Automation Direct	Click PLC Output I/O Module	IPL	BP	1	UUT8
CO-08ND3	Automation Direct	Click PLC Output I/O Module	IPL	BP	1	UUT8
Current Transformers						
Model Number	Manufacturer	Description	Model Line	Mounting ¹	Approx. Weight (lb.)	Unit
ACT050-42L	Automation Direct	Current Transformer, 0-50A	IPP, IPA, IPX, IPD, IPL	BP	<1	UUT5
ACT200-42L	Automation Direct	Current Transformer, 0-200A	IPP, IPA, IPX, IPD, IPL	BP	<1	UUT7
Power Supplies						
Model Number	Manufacturer	Description	Model Line	Mounting ¹	Approx. Weight (lb.)	Unit
498-406-079	PG LifeLink	Power Supply, 5-24 VDC	IPP, IPA, IPX, IPD, IPL	BP	<1	UUT5, UUT7

1. BP is an abbreviation for "Back Plate"

Table 11: Tested Units**Manufacturer:** PG LifeLink**Mounting Configuration:** Recessed Rigid Wall Mount**Product Type:** Standard and Enhanced Isolated Power Panels**Models:** IPP / IPA / IPX / IPD / IPL / IDP / IDC / DIDP / XTL / XTLD**Seismic Level:** Sds = 2.0g, z/h = 1.0; Sds = 2.5g, z/h = 0.0

Model ¹	Model Number	kVA	Voltage (Primary / Secondary)	Max Dimensions (in.)			Measured Weight (lb.)	Unit
				Height	Width	Depth		
IDP / IDC	IDC15GB160GFNF13D44	15	480-120 VAC / 240-120 VAC	60	25	12	358	UUT1
DIDP	DIDPL10GB160R10GB160FNF21-H	10 / 10		70	30	14	630	UUT2
XTL / XTLD	XTL25GC120CFNA21120LR	25		70	30	14	570	UUT3
IPP / IPA	IPA-S05D16DFP1DR66	5	120 VAC / 120 VAC	47	26	6	214	UUT4
IPP / IPA	IPA-S10D16EFP2DR66	10	480 VAC / 120 VAC	56	26	6	296	UUT5
IPX	IPX-LM10D16RM10D16SFX1	10 / 10	208 VAC / 120 VAC	56	38	6	566	UUT6
IPD	IPD-SH15H02L10D16EFD1	25	480 VAC / 208 VAC / 120 VAC	56	38	12	640	UUT7
IPL	IPL-S25H12GFL1L	25	480 VAC / 240 VAC	56	32	12	580	UUT8

1. The DIDP panel contained two 10kVA transformers that allowed the unit to be rated at 20kVA



UNIT UNDER TEST- Summary Sheet



UUT1

Manufacturer: PG LifeLink

Model Series: IDP / IDC

Model Number: IDC15GB160GFNF13D44

Equipment Description: 15kVA Isolated Distribution Center Panel

Lab Test Item No.: Q8012-01-01-01

Product Construction Summary:

Galvanized 14ga A653 steel enclosure containing shielded isolation transformer, line isolation monitor, circuit breaker panel and ground bus.

Mounting Description:

UUT1 was mounted in a rigid wall mount configuration using (6) 5/16-18 hex head commercial grade bolts. (3) on each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
358	12	25	60	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT1



Figure 2. UUT1 Overall View with Front Panel Removed

UNIT UNDER TEST- Summary Sheet
UUT2



Manufacturer: PG LifeLink

Model Series: DIDP

Model Number: DIDPL10GB160R10GB160FNF21-H

Equipment Description: 10kVA / 10kVA Duplex Panel

Lab Test Item No.: Q8012-02-01-01

Product Construction Summary:

Galvanized 12ga A653 steel enclosure containing shielded isolation transformer, line isolation monitor, circuit breaker panel and ground bus.

Mounting Description:

UUT2 was mounted in a rigid wall mount configuration using (6) 5/16-18 hex head commercial grade bolts. (3) on each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

UUT2 consists of (2) 10kVA transformers, making the total kVA rating of the unit 20kVA. UUT2 was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
630	14	30	70	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT2



Figure 2. UUT2 Overall View with Front Panel Removed

UNIT UNDER TEST- Summary Sheet



UUT3

Manufacturer: PG LifeLink

Model: XTL/XTLD 25kVA Laser Panel

Model Number: XTL25GC120CFNA21120LR

Equipment Description: 25kVA Laser Panel

Lab Test Item No.: Q8012-03-01-01

Product Construction Summary:

Galvanized 12ga A653 steel enclosure containing shielded isolation transformer, line isolation monitor, circuit breaker panel and ground bus.

Mounting Description:

UUT3 was mounted in a rigid wall mount configuration using (6) 5/16-18 hex head commercial grade bolts. (3) Each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
570	14	30	70	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:

DATE: 02/11/2021



Figure 1. Exterior View of UUT3



Figure 2. UUT3 Overall View with Front Panel Removed

UNIT UNDER TEST- Summary Sheet
UUT4



Manufacturer: PG LifeLink

Model Series: IPA / IPP

Model Number: IPAS05D16DFP1DR66

Equipment Description: 5KVA Enhanced Isolated Power Panel

Product Construction Summary:

Galvanized 14ga A653 Carbon Steel enclosure containing a front panel, shielded isolation transformer, line isolation monitor, branch circuit breakers, receptacles, and ground jacks

Mounting Description:

UUT4 was mounted in a rigid recessed wall mount configuration. The UUT was mounted to 4"x3"x1/4" A36 Steel angle using (6) 5/16" Grade 5 bolts, nuts, and washers, utilizing the manufacturer's mounting locations. The bolts were spaced apart approximately 18-1/2" on center height-wise, 24" on center width-wise, and approximately 3" on center depth-wise from the back of the panel. (3) Each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
214	47	26	6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT4



Figure 2. Interior View of UUT4

UNIT UNDER TEST- Summary Sheet
UUT5



Manufacturer: PG LifeLink

Model Series: IPA / IPP

Model Number: IPAS10D16EFP2DR66

Equipment Description: 10kVA Enhanced Isolated Power Panel

Product Construction Summary:

Galvanized 14ga A653 Carbon Steel enclosure containing a front panel, shielded isolation transformer, line isolation monitor, branch circuit breakers, receptacles, ground jacks, communication module, current transformer, and a power supply.

Mounting Description:

UUT5 was mounted in a rigid recessed wall mount configuration. The UUT was mounted to 4"x3"x1/4" A36 Steel angle using (6) 5/16" Grade 5 bolts, nuts, and washers, utilizing the manufacturer's mounting locations. The bolts were spaced apart approximately 23" on center height-wise, 24" on center width-wise, and approximately 3" on center depth-wise from the back of the panel. (3) Each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
296	56	26	6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	1.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT5



Figure 2. Interior View of UUT5

UNIT UNDER TEST- Summary Sheet



UUT6

Manufacturer: PG LifeLink

Model Series: IPX

Model Number: IPXLM10D16RM10D16SFX1

Equipment Description: 10kVA / 10kVA Enhanced Duplex Isolated Power Panel

Product Construction Summary:

Galvanized 12ga A653 Carbon Steel enclosure containing a front panel, shielded isolation transformer, line isolation monitor, and branch circuit breakers

Mounting Description:

UUT6 was mounted in a rigid recessed wall mount configuration. The UUT was mounted to 4"x3"x1/4" A36 Steel angle using (6) 5/16" Grade 5 bolts, nuts, and washers, utilizing the manufacturer's mounting locations. The bolts were spaced apart approximately 23" on center height-wise, 36" on center width-wise, and approximately 3" on center depth-wise from the back of the panel. (3) Each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
566	56	38	6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT6



Figure 2. Interior View of UUT6

UNIT UNDER TEST- Summary Sheet
UUT7



Manufacturer: PG LifeLink

Model Series: IPD

Model Number: IPDSH15H02L10D16EFD1

Equipment Description: 25kVA Enhanced Dual Voltage Isolated Power Panel

Product Construction Summary:

Galvanized 12ga A653 Carbon Steel enclosure containing a front panel, shielded isolation transformer, line isolation monitor, and branch circuit breakers, communication module, current transformer, and a power supply.

Mounting Description:

UUT7 was mounted in a rigid recessed wall mount configuration. The UUT was mounted to 7"x4"x3/8" A36 Steel angle using (6) 5/16" Grade 5 bolts, nuts, and washers, utilizing the manufacturer's mounting locations. The bolts were spaced apart approximately 23" on center height-wise, 36" on center width-wise, and approximately 6" on center depth-wise from the back of the panel. (3) Each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
640	56	38	12	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT7



Figure 2. Interior View of UUT7

UNIT UNDER TEST- Summary Sheet
UUT8



Manufacturer: PG LifeLink

Model Series: IPL

Model Number: IPLS25H12GFL1L

Equipment Description: 25kVA Enhanced Laser Isolated Power Panel

Product Construction Summary:

Galvanized 12ga A653 Carbon Steel enclosure containing a front panel, shielded isolation transformer, line isolation monitor, branch circuit breakers, control relays, and programmable controllers.

Mounting Description:

UUT8 was mounted in a rigid recessed wall mount configuration. The UUT was mounted to 7"x4"x3/8" A36 Steel angle using (6) 5/16" Grade 5 bolts, nuts, and washers, utilizing the manufacturer's mounting locations. The bolts were spaced apart approximately 23" on center height-wise, 30" on center width-wise, and approximately 6" on center depth-wise from the back of the panel. (3) Each side at center of box rigid to frame. Internal components are secured with 5/16-18 welded threaded studs.

Comments:

The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting system was maintained.

UUT Properties

Tested Weight (lb.)	Dimensions (in.)			Lowest Natural Frequency (Hz)		
	Height	Width	Depth	X-Direction (Side-Side)	Y-Direction (Front-Back)	Z-Direction (Vertical)
580	56	32	12	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	Sds (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC 156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0	1.5	N/A	N/A	1.67	0.67

Testing Mounting Pictures:



Figure 1. Exterior View of UUT8



Figure 2. Interior View of UUT8