



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-0854

HCAI 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: Plus Series Isolated Power System Panels

Product Model Number(s): See attached

Product Category: Power Isolation and Correction Systems

Product Sub-Category: Power Isolation and Correction Systems

General Description: Plus Series Isolated Power System Panels including IPP, IPL, IPD and IPX product lines.

Mounting Description: Flush and surface 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.laplace@thvmcgroup.com

Title: Vice President of Sales: Test and Measurement Division



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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

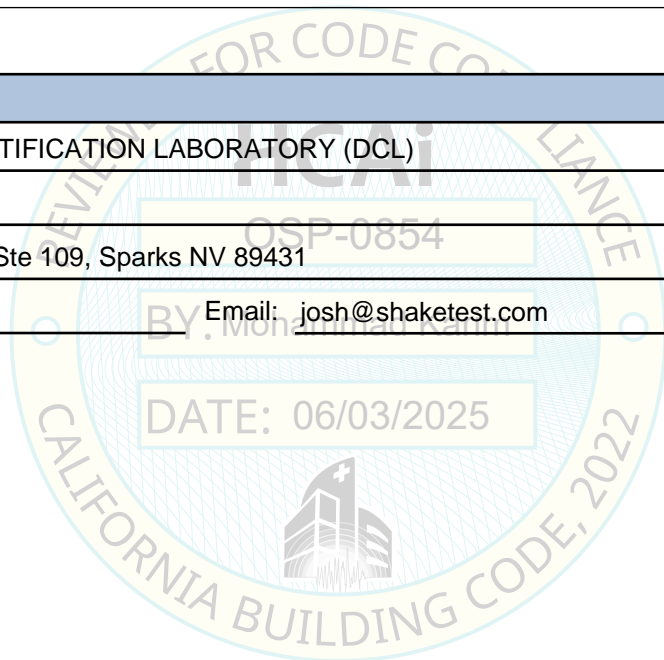
Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Josh Sailer

Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431

Telephone: (775) 358-5085

Email: josh@shaketest.com





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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

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 06/03/2031

Date: 6/3/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0

$z/h$  = 1

Condition of Approval (if applicable):

# Special Seismic Certification

## Table 1 - Certified Components



DCL Project Number: 68340-2501

Manufacturer: PG LifeLink

Product Line: Plus Series Isolated Power System Panels

Mounting: Flush and Surface Wall Mount<sup>1</sup>

Certified Seismic Levels: Sds 2.00g at z/h=1.0 and Sds 2.50g at z/h=0.0

Model Number <sup>2</sup>	Model Line	kVA <sup>3</sup>	Max. Dimensions [in.] <sup>4</sup>			Max. Weight [lb.]	Unit
			Depth	Width	Height		
IPP-Px03xxxxxxxxxSy	IPP-P Panels	3	6.1	26.0	72.0	270	Extrapolated
IPP-PM05D16DFDR66SFGHJ		5				290	UUT-01
IPP-Px07xxxxxxxxxSy		7.5	8.1	26.0	72.0	340	Interpolated
IPP-PS10D16GFDR66SFGHJP		10				359	UUT-02
IPL-Px10xxxxxxxxxSy	IPL-P Panels	10	12.1	38.0	72.0	475	Interpolated
IPL-Px15xxxxxxxxxSy		15				520	Interpolated
IPL-PS25H12EFLSFGHJU		25				619	UUT-05
IPD-PxH07xxxL05xxxxxxxxxSy	IPD-P Panels	12.5	12.1	38.0	72.0	495	Interpolated
IPD-PxH07xxxL07xxxxxxxxxSy		15				505	Interpolated
IPD-PxH10xxxL05xxxxxxxxxSy		15				505	Interpolated
IPD-PxH07xxxL10xxxxxxxxxSy		17.5				520	Interpolated
IPD-PxH10xxxL07xxxxxxxxxSy		17.5				520	Interpolated
IPD-PxH10xxxL10xxxxxxxxxSy		20				554	Interpolated
IPD-PxH15xxxL05xxxxxxxxxSy		20				554	Interpolated
IPD-PxH15xxxL07xxxxxxxxxSy		22.5				570	Interpolated
IPD-PSH15H02L10D16EFDR66SFGHJ		25				620	UUT-04
IPX-PLx03xxxRx03xxxxxxxxxSy	IPX-P Panels	3 / 3	8.1	42.0	72.0	550	Interpolated
IPX-PLx03xxxRx05xxxxxxxxxSy		3 / 5				580	Interpolated
IPX-PLx05xxxRx05xxxxxxxxxSy		5 / 5				605	Interpolated
IPX-PLx03xxxRx07xxxxxxxxxSy		3 / 7.5				625	Interpolated
IPX-PLx03xxxRx10xxxxxxxxxSy		3 / 10				635	Interpolated
IPX-PLx05xxxRx7xxxxxxxxxSy		5 / 7.5				650	Interpolated
IPX-PLx05xxxRx10xxxxxxxxxSy		5 / 10				660	Interpolated
IPX-PLx07xxxRx07xxxxxxxxxSy		7.5 / 7.5				700	Interpolated
IPX-PLx07xxxRx10xxxxxxxxxSy		7.5 / 10				710	Interpolated
IPX-PLS10D16RS10D16SFDR66SFGHJ		10 / 10				716	UUT-03

1. Testing satisfied both surface and flush mounting conditions.
2. The variable "x" denotes different options as described in the Nomenclature Charts. The variable "y" denotes Special Option Codes as described in the Nomenclature Charts.
3. For IPX panels the number on the left refers to left side system and the number on the right refers to right side system.
4. Listed dimensions include the front panel.

## Special Seismic Certification Nomenclature Chart - IPP-P



DCL Project No.: 64340-2501

Manufacturer: PG LifeLink

Product Line: Plus Series Isolated Power System Panels

Panel Type: IPP-P

Mounting Description: Flush and Surface Wall Mount

Sample Part Number: ABCDEFGHIJKLM

Character	Category	Allowable Value	Description	Unit
A	Panel Type	IPP-P	Branding	UUT-01
B	Primary Voltage	D	120 VAC	Same as
		H	208 VAC	Same as
		M	277 VAC	UUT-01
		S	480 VAC	UUT-02
C <sup>1</sup>	kVA Size	03	3 kVA	Extrapolated
		05	5 kVA	UUT-01
		07	7.5 kVA	Interpolated
		10	10 kVA	UUT-02
D	Secondary Voltage	D	120 VAC	UUT-01, UUT-02
		H	208 VAC	Same as
		L	240 VAC	Same as
E <sup>2</sup>	Branch Circuit Breaker	00 - 16	Quantity of Circuit Breakers	UUT-01, UUT-02
F	Branch Circuit Breaker Branding	E	Eaton	Tested on UUT-04
		D	Square-D	UUT-01
		G	GE	UUT-02
		S	Siemens	Tested on UUT-03
G <sup>3</sup>	Mounting Type	F	Flush	UUT-01, UUT-02
		S	Surface	Same as
H	Receptacle Type	N	No Receptacles	Depopulated
		D	HG Duplex	UUT-01, UUT-02
		S	HG Simplex	Same as
		L	Twistlock	Tested on UUT-04
I	Receptacle Color	N	None	Same as
		R	Red	UUT-01, UUT-02
		V	Ivory	Same as
		B	Black	Same as
J <sup>2</sup>	Receptacle Quantity	0 - 6	Quantity of Receptacles	UUT-01, UUT-02
K <sup>2</sup>	Ground Jack Quantity	0 - 6	Quantity of Ground Jacks	UUT-01, UUT-02
L	LIM Code	S	SafeDetec	UUT-01, UUT-02
M	Special Option Codes	—	No Option	Depopulated
		F	Fault Location System	UUT-01, UUT-02
		G	Circuit Load Monitoring	UUT-01, UUT-02
		H	System Load Monitoring	UUT-01, UUT-02
		J	Transformer Over-Temperature Alarm	UUT-01, UUT-02
		P	MRI Installation	UUT-02

1. Bookended by transformer subcomponents on table 2.

2. UUT-01 and UUT-02 have 16 circuit breakers, 6 receptacles and 6 ground jacks.

3. Testing satisfied both surface and flush mounting conditions. Flush mount front panels were used for testing.

## Special Seismic Certification Nomenclature Chart - IPL-P



DCL Project No.: 64340-2501

Manufacturer: PG LifeLink

Product Line: Plus Series Isolated Power System Panels

Panel Type: IPL-P

Mounting Description: Flush and Surface Wall Mount

Sample Part Number: ABCDEFGHIJ

Character	Category	Allowable Value	Description	Unit
A	Panel Type	IPP-P	Branding	UUT-05
B	Primary Voltage	H	208 VAC	Same as
		M	277 VAC	Same as
		S	480 VAC	UUT-05
C <sup>1</sup>	kVA Size	10	10 kVA	Tested on UUT-03
		15	15 kVA	Interpolated
		25	25 kVA	UUT-05
D	Secondary Voltage	H	208 VAC	UUT-05
		L	240 VAC	Same as
E <sup>2</sup>	Branch Circuit Breaker	00 - 12	Quantity of Circuit Breakers	UUT-05
F	Branch Circuit Breaker Branding	E	Eaton	UUT-05
		D	Square-D	Tested on UUT-01
		G	GE	Tested on UUT-02
		S	Siemens	Tested on UUT-03
G <sup>3</sup>	Mounting Type	F	Flush	UUT-05
		S	Surface	Same as
H <sup>4</sup>	Control Type	L	Outlet Plug-Control	UUT-05
		Q	No Lockout Control	Same as
I	LIM Code	S	SafeDetec	UUT-05
J	Special Option Codes	-	No Option	Depopulated
		F	Fault Location System	UUT-05
		G	Circuit Load Monitoring	UUT-05
		H	System Load Monitoring	UUT-05
		J	Transformer Over-Temperature Alarm	UUT-05
		U	Laser-In-Use Light	UUT-05

1. Bookended by transformer subcomponents on table 2.
2. UUT-05 has 12 circuit breakers.
3. Testing satisfied both surface and flush mounting conditions. Flush mount front panels were used for testing.
4. Software differences only.



## Special Seismic Certification Nomenclature Chart - IPD-P



DCL Project No.: 64340-2501

Manufacturer: PG LifeLink

Product Line: Plus Series Isolated Power System Panels

Panel Type: IPD-P

Mounting Description: Flush and Surface Wall Mount

Sample Part Number: ABCDEFGHIJKLMNOPQR

Character	Category	Allowable Value	Description	Unit
A	Panel Type	IPD-P	Branding	UUT-04
B	Primary Voltage	D	120 VAC	Same as
		H	208 VAC	Same as
		M	277 VAC	Same as
		S	480 VAC	UUT-04
C	High Side	H	High	UUT-04
D <sup>1</sup>	kVA Size	07	7.5 kVA	Extrapolated
		10	10 kVA	Tested UUT-02 & UUT-03
		15	15 kVA	UUT-04
E	Secondary Voltage	H	208 VAC	UUT-04
		L	240 VAC	Same As
F <sup>2</sup>	Branch Circuit Breaker	00 - 02	Quantity of Circuit Breakers	UUT-04
G	Low Side	L	Low	UUT-04
H <sup>1</sup>	kVA Size	05	5 kVA	Tested on UUT-01
		07	7.5 kVA	Interpolated
		10	10 kVA	UUT-04
I	Secondary Voltage	D	120 VAC	UUT-04
J <sup>2</sup>	Branch Circuit Breaker	00 - 16	Quantity of Circuit Breakers	UUT-04
K	Branch Circuit Breaker Branding	E	Eaton	UUT-04
		D	Square-D	Tested on UUT-01
		G	GE	Tested on UUT-02
		S	Siemens	Tested on UUT-03
L <sup>3</sup>	Mounting Type	F	Flush	UUT-04
		S	Surface	Same As
M	Receptacle Type	N	No Receptacles	Depopulated
		D	HG Duplex	UUT-04
		S	HG Simplex	Same as
		L	Twistlock	UUT-04
N	Receptacle Color	N	None	Same As
		R	Red	UUT-04
		V	Ivory	Same As
		B	Black	Same As
O <sup>2</sup>	Receptacle Quantity	0 - 6	Quantity of Receptacles	UUT-04
P <sup>2</sup>	Ground Jack Quantity	0 - 6	Quantity of Ground Jacks	UUT-04
Q	LIM Code	S	SafeDetec	UUT-04
R	Special Option Codes	—	No Option	Depopulated
		F	Fault Location System	UUT-04
		G	Circuit Load Monitoring	UUT-04
		H	System Load Monitoring	UUT-04
		J	Transformer Over-Temperature Alarm	UUT-04
		P	MRI Installation	Tested on UUT-02

1. Bookended by transformer subcomponents on table 2.

2. UUT-04 has 2 circuit breakers on high side, 16 circuit breakers on low side, 6 receptacles and 6 ground jacks.

3. Testing satisfied both surface and flush mounting conditions. Flush mount front panels were used for testing.

# Special Seismic Certification

## Nomenclature Chart - IPX-P



DCL Project No.: 64340-2501

Manufacturer: PG LifeLink

Product Line: Plus Series Isolated Power System Panels

Panel Type: IPX-P

Mounting Description: Flush and Surface Wall Mount

Sample Part Number: ABCDEFGHIJKLMNOPQRS

Character	Category	Allowable Value	Description	Unit
A	Panel Type	IPX-P	Branding	UUT-03
B	Left Side	L	Left	UUT-03
C	Primary Voltage	D	120 VAC	Same as
		H	208 VAC	Same as
		M	277 VAC	Same as
		S	480 BAC	UUT-03
D <sup>1</sup>	kVA Size	03	3 kVA	Extrapolated
		05	5 kVA	Tested on UUT-01
		07	7.5 kVA	Interpolated
		10	10 kVA	UUT-03
E	Secondary Voltage	D	120 VAC	UUT-03
		H	208 VAC	Same As
		L	240 VAC	Same As
F <sup>2</sup>	Branch Circuit Breaker	00 - 16	Quantity of Circuit Breakers	UUT-03
G	Right Side	R	Right	UUT-03
I	Primary Voltage	D	120 VAC	Same as
		H	208 VAC	Same as
		M	277 VAC	Same as
		S	480 VAC	UUT-03
J	kVA Size	03	3 kVA	Extrapolated
		05	5 kVA	Tested on UUT-01
		07	7.5 kVA	Interpolated
		10	10 kVA	UUT-03
K	Secondary Voltage	D	120 VAC	UUT-03
		H	208 VAC	Same As
		L	240 VAC	Same As
L <sup>2</sup>	Branch Circuit Breaker	00 - 16	Quantity of Circuit Breakers	UUT-03
M	Branch Circuit Breaker Branding	E	Eaton	Tested on UUT-04
		D	Square-D	Tested on UUT-01
		G	GE	Tested on UUT-02
		S	Siemens	UUT-03
N <sup>3</sup>	Mounting Type	S	Surface	Same as
		F	Flush	UUT-03
O	Receptacle Type	N	No Receptacles	Depopulated
		D	HG Duplex	UUT-03
		S	HG Simplex	Same as
		L	Twistlock	Tested on UUT-04
P	Receptacle Color	N	None	Same As
		R	Red	UUT-03
		V	Ivory	Same As
		B	Black	Same As
Q <sup>2</sup>	Receptacle Quantity	0 - 6	Quantity of Receptacles	UUT-03
R <sup>2</sup>	Ground Jack Quantity	0 - 6	Quantity of Ground Jacks	UUT-03
S	LIM Code	S	SafeDetec	UUT-03

See notes on next page.

Continued on next page



**Special Seismic Certification**  
**Nomenclature Chart - IPX-P (cont.)**



**DCL Project No.:** 64340-2501

**Manufacturer:** PG LifeLink

**Product Line:** Plus Series Isolated Power System Panels

**Panel Type:** IPX-P

**Mounting Description:** Flush and Surface Wall Mount

**Sample Part Number:** ABCDEFGHIJKLMNOPQRS

Character	Category	Allowable Value	Description	Unit
S	Special Option Codes	—	No Option	Depopulated
		F	Fault Location System	UUT-03
		G	Circuit Load Monitoring	UUT-03
		H	System Load Monitoring	UUT-03
		J	Transformer Over-Temperature Alarm	UUT-03
		P	MRI Installation	Tested on UUT-02

1. Bookended by transformer subcomponents on table 2.
2. UUT-03 has 16 circuit breakers on left and right sides, 6 receptacles and 6 ground jacks.
3. Testing satisfied both surface and flush mounting conditions. Flush mount front panels were used for testing.



Only

## Special Seismic Certification

### Table 2 - Certified Subcomponents



DCL Project Number: 68340-2501

Product Line: Plus Series Isolated Power System Panels

Subcomponent Type	Model Number	Manufacturer	Description	Material	Weight [ lb. ]	Unit
Enclosures	699-271-1011	PG LifeLink	70" H x 24" W x 6" D	Galvanized Carbon Steel	65	UUT-01
	699-271-1012		70" H x 24" W x 8" D		75	UUT-02
	699-271-1021		70" H x 40" W x 8" D		175	UUT-03
	699-271-1031		70" H x 36" W x 8" D		175	UUT-04, UUT-05
Front Panels	699-272-1201	PG LifeLink	70" H x 24" W, Surface-Mount	Stainless Steel	40	Extrapolated
	699-272-1203		70" H x 24" W, Surface-Mount w/ Accessories		40	Extrapolated
	699-272-1200		72" H x 26" W, Flush-Mount		45	Extrapolated
	699-272-1202		72" H x 26" W, Flush-Mount w/ Accessories		45	UUT-01, UUT-02
	699-272-1221		70" H x 36" W, Surface-Mount		55	Interpolated
	699-272-1223		70" H x 36" W, Surface-Mount w/ Accessories		55	Interpolated
	699-272-1231		70" H x 36" W, Surface-Mount		55	Interpolated
	699-272-1211		70" H x 40" W, Surface-Mount		60	Interpolated
	699-272-1213		70" H x 40" W, Surface-Mount w/ Accessories		60	Interpolated
	699-272-1220		72" H x 38" W, Flush-Mount		60	Interpolated
	699-272-1222		72" H x 38" W, Flush-Mount w/ Accessories		60	UUT-04
	699-272-1230		72" H x 38" W, Flush-Mount		60	UUT-05
	699-272-1210		72" H x 42" W, Flush-Mount		65	Interpolated
	699-272-1212		72" H x 42" W, Flush-Mount w/ Accessories		65	UUT-03
Transformers*	21-03xx	Dongan	3kVA Hospital Isolation Trans. (480V-120V)	Electrical/silicone Steel, Copper	60	Extrapolated
	21-05xx		5kVA Hospital Isolation Trans. (480V-120V)		90	UUT-01
	21-07xx		7.5kVA Hospital Isolation Trans. (480V-120V)		140	Interpolated
	21-10xx		10kVA Hospital Isolation Trans. (480V-120V)		150	UUT-02, UUT-03
	21-12xx		12.5kVA Hospital Isolation Trans. (480V-120V)		175	Interpolated
	21-15xx		15kVA Hospital Isolation Trans. (480V-120V)		200	Interpolated
	21-17xx		17.5kVA Hospital Isolation Trans. (480V-120V)		225	Interpolated
	21-20xx		20kVA Hospital Isolation Trans. (480V-120V)		250	Interpolated
	21-22xx		22.5kVA Hospital Isolation Trans. (480V-120V)		275	Interpolated
	21-25xx		25kVA Hospital Isolation Trans. (480V-120V)		350	UUT-04, UUT-05
Line Isolation Monitor	Mark V	PG LifeLink	Line Isolation Monitor	Plastic, Circuitboards	2	UUT-03
	SafeDetec		Line Isolation Monitor		2	UUT-01, -02, -03, -04, -05
Branch Circuit Breakers	THQB	GE	Molded Case Circuit Breaker, 100A Frame	Plastic, Copper	1	UUT-02
	BL	Siemens	Molded Case Circuit Breaker, 125A Frame		1	UUT-03
	BAB	Eaton	Molded Case Circuit Breaker, 125A Frame		1	UUT-03, -04, -05
	QOB	Square D	Molded Case Circuit Breaker, 125A Frame		1	UUT-01
Receptacles	HBL8210R	Hubbell	Hospital Grade Simplex Receptacle, 20A, 125V	Plastic, Copper	1	Extrapolated
	HBL2620		Twist-Lock Receptacle, 30A, 250V		1	UUT-04
	HBL8300HRED		Hospital Grade Duplex Receptacle, 20A, 125V		1	UUT-01, -02, -03, -04
Ground Jacks	SLR	Hampden	Twist Lock Ground Jack, 30A	Plastic, Copper	1	UUT-01, -02, -03, -04
Control Relays	XTCE018C10TD	Eaton	Relay, 40A, 600V	Plastic, Copper, Circuitboards	3	UUT-05
	XTCE040D00TD		Relay, 65A, 600V		4	UUT-05
Programmable Controllers	CO-01AC	Automation Direct	Click PLC Power Supply	Plastic, Copper, Circuitboards	1	UUT-05
	CO-01DR-D		Click PLC CPU Module		1	UUT-05
	CO-11DRE-D		Click PLC CPU Module		1	Interpolated
	CO-08ND3		Click PLC Output I/O Module		1	Interpolated
	CO-08TR		Click PLC Output I/O Module		1	UUT-05

\*The xx is a two-digit variable representing the manufacturer's voltage code. There is no physical difference.

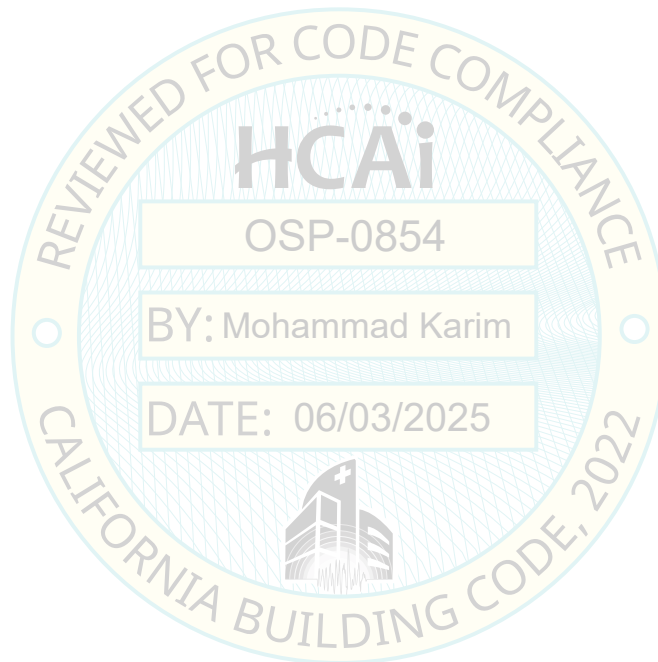
**Special Seismic Certification**  
**Table 3 - Certified Subcomponents**



**DCL Project Number:** 68340-2501

**Product Line:** Plus Series Isolated Power System Panels

Subcomponent Type	Model Number	Manufacturer	Description	Material	Weight [ lb. ]	Unit
Power Supplies	498-406-053	PG LifeLink	Power Supply, 5-24 VDC	Plastic, Circuitboards	<1	UUT-01, -02, -03, -04, -05
Primary Current Transformers	ACT050-42L	Automation Direct	Current Transformer, 0-50A	Plastic, Circuitboards	<1	UUT-01, -02, -03
	ACT200-42L		Current Transformer, 0-200A		<1	UUT-04, -05
CT Bank Manager Module	499-440-001	PG LifeLink	CT Bank Manager Module	Plastic, Circuitboards	<1	UUT-01, -02, -03, -04, -05
Current Transformer Modules	499-440-010	PG LifeLink	Current Transformer Bank Module, 0-30A	Plastic, Circuitboards	2	UUT-01, -02, -03, -04, -05
	499-440-015		Current Transformer Bank Module, 30-60A		2	UUT-05



# Special Seismic Certification

## Table 4 - Tested Units



**DCL Project Number:** 68340-2501

**Manufacturer:** PG LifeLink

**Product Line:** Plus Series Isolated Power System Panels

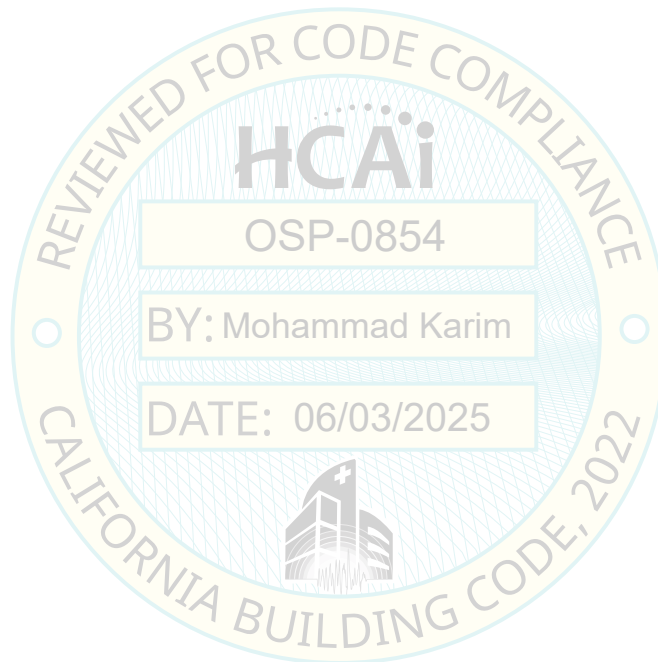
**Report Number:** 68340-2501

**Mounting:** Flush and Surface Wall Mount\*

**Certified Seismic Levels:** Sds 2.00 at z/h=1.0 and Sds 2.50 at z/h=0.0

Model Number	Model Line	kVA	Max. Dimensions [in.]			Weight [ lb. ]	Unit
			Length	Width	Height		
IPP-PM05D16DFDR66SFGHJ	IPP-P Panels	5	6.1	26.0	72.0	290	UUT-01
IPP-PS10D16GFDR66SFGHJP		10	8.1	26.0	72.0	359	UUT-02
IPL-PS25H12EFLSFGHJU	IPL-P Panels	25	8.1	42.0	72.0	619	UUT-05
IPD-PSH15H02L10D16EFDR66SFGHJ	IPD-P Panels	25	12.1	38.0	72.0	620	UUT-04
IPX-PLS10D16RS10D16SFDR66SFGHJ	IPX-P Panels	10 / 10	12.1	38.0	72.0	716	UUT-03

\* Testing satisfied both surface and flush mounting conditions.



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT-01

**DCL Repot Number:** 68340-2501

**Manufacturer:** PG LifeLink

**Product Line:** IPP-P

**Model Number:** IPP-PM05D16DFDR66SFGHJ

**Product Construction Summary:** Galvanized carbon steel (enclosure), stainless steel (front panel)

**Options / Component Summary:** Enclosure, front panel, transformer, line isolation monitor, branch circuit breakers, receptacles, ground jacks, power supplies, primary current transformer, CT bank manager module, current transformer modules

**Note:** 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 systems was maintained.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
290	6.1	26.0	72.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0		N/A	N/A	1.67	0.67

**Unit Mounting Description:** UUT-01 was mounted to the wall frame in a manner that simulated both flush and surface mounting. UUT-01 was attached to the vertical struts of the wall frame using (8) carbon steel brackets. Each bracket was connected to the wall fixture using (2) 3/8" Grade 5 bolts, flat washers and each bracket was connected to the unit using (1) 1/2" Grade 5 bolt, flat washer, and nut. The bracket dimensions for the side attached to the wall frame were 4 x 2 1/2 x 1/2" and the bracket dimensions for the side attached to the unit were 6 x 2 1/2 x 1/2". All the bolts were spaced 20" apart in vertical direction measured on-center.



Overall view of UUT-01

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT-02

**DCL Repot Number:** 68340-2501

**Manufacturer:** PG LifeLink

**Product Line:** IPP-P

**Model Number:** IPP-PS10D16GFDR66SFGHJP

**Product Construction Summary:** Galvanized carbon steel (enclosure), stainless steel (front panel)

**Options / Component Summary:** Enclosure, front panel, transformer, line isolation monitor, branch circuit breakers, receptacles, ground jacks, power supplies, primary current transformer, CT bank manager module, current transformer module

**Note:** 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 systems was maintained.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
359	8.1	26.0	72.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0		N/A	N/A	1.67	0.67

**Unit Mounting Description:** UUT-02 was mounted to the wall frame in a manner that simulated both flush and surface mounting. UUT-02 was attached to the vertical struts of the wall frame using (8) carbon steel brackets. Each bracket was connected to the wall fixture using (2) 3/8" Grade 5 bolts, flat washers and each bracket was connected to the unit using (1) 1/2" Grade 5 bolt, flat washer, and nut. The bracket dimensions for the side attached to the wall frame were 4 x 2 1/2 x 1/2" and the bracket dimensions for the side attached to the unit were 6 x 2 1/2 x 1/2". All the bolts were spaced 20" apart in vertical direction measured on-center.



Overall view of UUT-02



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT-05

**DCL Repot Number:** 68340-2501

**Manufacturer:** PG LifeLink

**Product Line:** IPL-P

**Model Number:** IPL-PS25H12EFLSFGHJU

**Product Construction Summary:** Galvanized carbon steel (enclosure), stainless steel (front panel)

**Options / Component Summary:** Enclosure, front panel, transformer, line isolation monitor, branch circuit breakers, control relays, programmable controllers, power supply, primary current transformers, CT bank manager module, current transformer modules

**Note:** 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 systems was maintained.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
619	12.1	38.0	72.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0		N/A	N/A	1.67	0.67

**Unit Mounting Description:** UUT-05 was mounted to the wall frame in a manner that simulated both flush and surface mounting. UUT-05 was attached to the horizontal struts that were connected to the vertical struts of the wall frame using (8) carbon steel brackets. Each bracket was connected to the wall fixture using (2) 3/8" Grade 5 bolts, flat washers and each bracket was connected to the unit using (1) 1/2" Grade 5 bolt, flat washer, and nut. The bracket dimensions for the side attached to the wall frame were 4 x 2 1/2 x 1/2" and the bracket dimensions for the side attached to the unit were 8 x 2 1/2 x 1/2". The bolts were spaced 20 1/4", 20", and 20" apart in vertical direction measured on-center.



Overall view of UUT-05

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT-04

**DCL Repot Number:** 68340-2501

**Manufacturer:** PG LifeLink

**Product Line:** IPD-D

**Model Number:** IPD-PSH15H02L10D16EFDR66SFGHJ

**Product Construction Summary:** Galvanized carbon steel (enclosure), stainless steel (front panel)

**Options / Component Summary:** Enclosure, front panel, transformers, line isolation monitor, branch circuit breakers, receptacles, ground jacks, power supplies, primary current transformer, CT bank manager module, current transformer modules

**Note:** 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 systems was maintained.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
620	12.1	38.0	72.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0		N/A	N/A	1.67	0.67

**Unit Mounting Description:** UUT-04 was mounted to the wall frame in a manner that simulated both flush and surface mounting. UUT-04 was attached to the horizontal struts that were connected to the vertical struts of the wall frame using (8) carbon steel brackets. Each bracket was connected to the wall fixture using (2) 3/8" Grade 5 bolts, flat washers and each bracket was connected to the unit using (1) 1/2" Grade 5 bolt, flat washer, and nut. The bracket dimensions for the side attached to the wall frame were 4 x 2 1/2 x 1/2" and the bracket dimensions for the side attached to the unit were 8 x 2 1/2 x 1/2". The bolts were spaced 20 1/4", 20", and 20" apart in vertical direction measured on-center.



Overall view of UUT-04

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT-03

**DCL Repot Number:** 68340-2501

**Manufacturer:** PG LifeLink

**Product Line:** IPX-P

**Model Number:** IPX-PLS10D16RS10D16SFDR66SFGHJ

**Product Construction Summary:** Galvanized carbon steel (enclosure), stainless steel (front panel)

**Options / Component Summary:** Enclosure, front panel, transformers, line isolation monitor, branch circuit breakers, receptacles, ground jacks, power supplies, primary current transformers, CT bank manager module, current transformer modules

**Note:** 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 systems was maintained.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
716	8.1	42.0	72.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	N/A	N/A
		2.50	0.0		N/A	N/A	1.67	0.67

**Unit Mounting Description:** UUT-03 was mounted to the wall frame in a manner that simulated both flush and surface mounting. UUT-03 was attached to the horizontal struts that were connected to the vertical struts of the wall frame using (8) carbon steel brackets. Each bracket was connected to the wall fixture using (2) 3/8" Grade 5 bolts, flat washers and each bracket was connected to the unit using (1) 1/2" Grade 5 bolt, flat washer, and nut. The bracket dimensions for the side attached to the wall frame were 4 x 2 1/2 x 1/2" and the bracket dimensions for the side attached to the unit were 8 x 2 1/2 x 1/2". The bolts were spaced 20 1/4", 20", and 20" apart in vertical direction measured on-center.



Overall view of UUT-03