



POWER SAFETY SOLUTIONS

Isolated Power Panels and Accessories Designed to Meet the Demands of Today's Operating & Procedure Rooms

PGLifeLink.com

PG LifeLink
Experts in Power Safety

All PG LifeLink Panels are
Fully Assembled to Order & 100% Factory Inspected & Tested



Experts In Power Safety

65+ Years of Dedicated Care

PG LifeLink has been a leading manufacturer of Isolated Power under the Post Glover/Hasey and PG LifeLink brands for over 65 years. We offer a complete line of Isolated Power Panels, Line Isolation Monitors (LIMs), and accessories.

Our service department provides Factory Start-up Commissioning, Recertification, Annual Testing, and installation of Isolated Power Panel Upgrades and Retrofits for most brands and systems.

We provide isolated power to protect patients and personnel from hazardous ground-fault currents without loss of power to critical equipment.

Nationwide factory-certified technicians provide new installation commissioning, annual testing, and certification.

We supply and install retrofit kits of Isolated Power Systems of all brands and conditions at a low cost.

The next generation of isolated power panels, Plus Series Line, is designed to provide smarter more efficient care.

[Read More](#)

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THE NEED FOR ISOLATED POWER



"3.3.184 Wet Procedure Locations. The area in a patient care room where a procedure is performed is normally subject to wet conditions while patients are present, including standing fluids on the floor or drenching of the work area, either of which condition is intimate to the patient or staff." NFPA 99 (2015 Edition)

"6.3.2.2.8.4 Operating rooms shall be considered to be a wet procedure location unless a risk assessment conducted by the health care governing body determines otherwise." NFPA 99 (2012 Edition)

"6.3.2.2.8.1 Wet procedure locations shall be provided with special protection against electric shock." NFPA 99 (2012 Edition)

Isolated Power Systems are the preferred form of "special protection" for all Essential Electrical System (EES) circuits supplying wet procedure locations. The Isolated Power System safely limits first-fault to ground current without interrupting the supply of power to critical equipment. GFCI protection is not recommended on any critical load that cannot tolerate an interruption of power while in use.

In addition to operating rooms, "wet procedures" are often performed in several other Category 1 (Critical Care) Areas such as: ED, L&D, and EP/Cath Lab.

- Protect patients and personnel from electric shock in critical care areas
- Maintain the continuity of power in the event of a first line-to-ground fault
- Monitor cumulative hazard current from all connected equipment

THE NEXT GENERATION OF ISOLATED POWER PANELS

NEW Plus Series Isolated Power Panels Solutions

PG LifeLink's next generation of Isolated Power Products, Plus Series, accommodates hospital isolated power needs of the future. The Plus Series offers new features that provide flexibility to meet demands of today's operating rooms. New Features available:

- SafeDetec – next generation all digital line isolator monitor
- New options include:
 - Fault location system
 - Branch circuit load monitoring
 - Device network gateway
 - Touch screen master remote
- New panel configurations to accommodate new features at time of installation or possible future upgrades
- New fully concealed slide hinge design improves infection control and cleaning in a sterile operating room environment
- New device network gateway capability to monitor, report, and communicate to meet a wide variety of facility needs

Isolated Power Panels Designed To Accomodate OR Technology

As the complexity of medical equipment innovation increases, modern operating rooms must support an ever-increasing number of complex devices. These panels are designed to provide reliable consistent protection.

Design A Power Panel Solution

Our engineers can work with consulting engineers, contractors, and planners to guide appropriate solutions for your project. Whether for constructing a new facility, a technically challenging renovation, or a tightly-scheduled custom retrofit, we have the knowledge and experience to bring your plans to life.



167 Gap Way | Erlanger, KY 41018 | www.pglifelink.com



Toll Free

800-287-4123

ISOLATED POWER PLUS SERIES PANELS



NEW Plus Series Isolated Power Panel Design

- Designed to meet any project requirements
- Panel design allows for future upgrades
- Seamless slide hinge mounted to backbox with 1/4-20 stainless steel hardware and fabricated from type 304 brushed stainless steel

Plus Series Isolated Power Panel Features

- SafeDetec – next generation all digital line isolator monitor
- Automatic Fault Location System option that identifies the branch circuit of a detected fault and displays on the screen of the Line Isolated Monitor
- Branch circuit load monitoring - notifies on screen of potential overload
- PGL device level serial communication network to monitor panels from anywhere
- New touchscreen Master Remote Annunciator compatible with Device Network Gateway
- New panel configurations to accommodate these new features at time of installation or possible future upgrades
- New customizable communication capability to monitor, report, and communicate with building management systems



Ask an expert

Get help when you need it

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SAFEDETEC®

LIM flush mounted to the trim plate and accessible from front panel



SLIDE HINGE

Concealed slide hinges for easy access to internal components



ADDITIONAL OPTION

Front-mounted receptacles and ground jacks available on all configurations

Plus Series IPP-P Isolated Power Panel

The IPP-P Isolated Power Panel is the standard panel for most installations.

Included with Panel:

- Hospital grade isolation transformer
- Line Isolation Monitor (LIM)
- Up to 16 circuit panelboard
- Room reference ground bus
- Concealed hinge door-in-door design
- Optional accessory device plate

Model	Total kVA	Size (H x W x D)	Weight (lbs.)
IPP-P	3	70" x 24" x 6"	315
	5		
	7.5	70" x 24" x 8"	385
	10		



Plus Series IPX-P Duplex Isolated Power Panel

The IPX-P Panel provides two independent Isolated Power Panels in one enclosure.

Included with Panel

- All previously listed features with IPP-P
- Reduces space and installation complexity
- Internal separation barrier allows for two independent panels and two critical branch feeds
- Optional accessory device plate

Model	Total kVA	Size (H x W x D)	Weight (lbs.)
IPX-P	5/5	70" x 40" x 8"	600
	7.5/7.5		635
	10/10		690



Plus Series IPD-P Dual Voltage Output Isolated Power Panel

The dual voltage isolated power panel is a cost-effective option in low-density applications that require 208V for portable laser devices in addition to 120V equipment.

Included With Panel:

- The unit is housed in a single panel and fed from a single critical branch
- Dual secondary winding isolation transformer for supplying both 120V and 208V circuits
- Up to 16 120V, 20A circuits with standard-line powered equipment
- Up to 2 208V or 240V, 30 or 50A dedicated circuits for laser power outlets
- Optional accessory device plate

Model	Total kVA	Size (H x W x D)	Weight (lbs.)
IPD-P	15	70" x 36" x 12"	550
	25		665



Plus Series IPL-P Laser Isolated Power Panel

The IPL-P Laser Isolated Power Panel is the industry standard for high density OR areas that require power for laser outlets in multiple OR's PCL controller.

Included With Panel:

- Dedicated 208-240V isolated circuits to multiple ORs from a central panel
- Available in 15 or 25 kVA capacity
- Up to 12 208 or 240V, 30 or 50A circuits for cord-connected, portable laser device loads
- Laser Outlet Modules, including NEMA receptacle and LIM remote, are installed inside each OR
- PLC-based "Plug-Control" system automatically limits the number of energized circuits to avoid accidental shutdown

Model	Total kVA	Size (H x W x D)	Weight (lbs.)
IPL-P	15	70" x 36" x 12"	565
	25		685



Specialty Isolated Power Panel – Model IPP

The IPP Panel is typically designed to supply 120V power to the circuits within a single operating or patient procedure room. It can be configured to provide high-volt output such as 208V, 220V, or 240V.

Included With Panel:

- Industry-exclusive 6" back box depth up to 10 kVA transformers.
- Concealed hinged front.
- Simplified installation and maximizes available space

Fault Location Monitor and Branch Circuit Monitor Additional Options **not available on this panel*

Model	Total kVA	Size (H x W x D)	Weight (lbs.)
IPP	3	42" x 24" x 6"	235
	5		
	7.5	54" x 24" x 6"	
	10		



Specialty Duplex Isolated Power Panel – Model IPX

The Specialty IPX Duplex Isolated Power Supply System contains two separate hospital Isolated Power Systems within one enclosure.

Included With Panel:

- Industry-exclusive 6" back box depth up to 10 kVA transformers.
- Concealed hinged front.
- Simplified installation and maximizes available space
- Provides up to 32 branch circuits in a single room.
- The dual feed design has an internal separation barrier and is suitable for distributing normal and emergency circuits from one enclosure.

Fault Location Monitor and Branch Circuit Monitor Additional Option **not available on this panel*

Model	Total kVA	Size (H x W x D)	Weight (lbs.)
IPX	5/5	54" x 36" x 6"	500
	7.5/7.5		550
	10/10		575



LINE ISOLATION MONITORS



NEW SafeDetec® Plus Series LIM



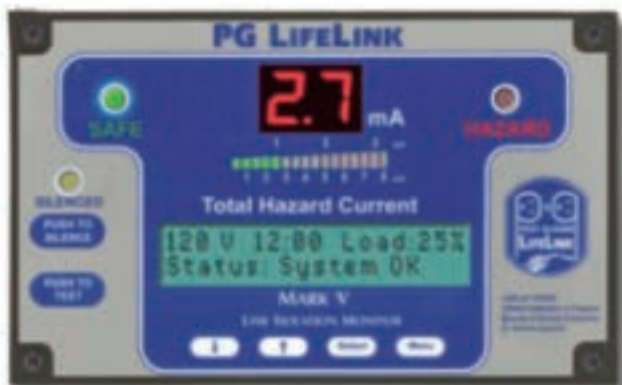
Operating Specification:

Operating voltage: 102 - 265 VAC, single phase
 Operating frequency: 50 or 60 Hz
 Accuracy: +5% at full scale
 Monitor Hazard Current (MHC): 25 μ A @ 120 VAC
 50 μ A @ 240 VAC

Line Isolation Monitor Features

- State-of-the-art all digital Total Hazard Current measurement
- Advanced filtering and noise suppression for improved accuracy and reliability
- High contrast 40-character OLED display for better visibility and viewing angle
- Universal 120-240 VAC power input allows LIMs to be directly Interchanged from 120V to 208V/240V laser panels without changing the internal jumper or switch settings
- Additional parameters can be displayed on the user interface for more advanced troubleshooting, such as L1 and L2 line-to-ground voltages, insulation resistance, and insulation capacitance
- Increased memory allows more log entries and a longer history of LIM data

Mark V LIM



Line Isolation Monitor Features

- Continuous monitoring of system hazard current
- Self-testing/calibrating at user-preferred schedule
- Onboard alarm and event logs with time and date stamp
- Optional system load monitor and transformer over-temperature alarm
- Optional Network Gateway remote monitoring software interface
- User-selectable Spanish language LCD display with optional Spanish overlay

ADDITIONAL OPTIONS ACCESSORIES



Fault Location System

The new SafeDetec® allows a Fault Location System (FLS) option that automatically identifies the branch circuit on which high hazard leakage has been detected

- Displays circuit number via onboard LEDs as well as on SafeDetec™ user interface status screen
- Two 8-pole CT Banks connected to a single CT Manager can monitor up to 16 circuits per system
- Both Fault Location System and Branch Circuit Monitoring can be included in one panel



Branch Circuit Load Monitoring

A new Individual Branch Circuit Load Monitoring (CLM) option, which monitors each branch load circuit and includes a configurable pre-alarm to notify users of potential overload situations.

- Displays circuit number via onboard LEDs as well as on SafeDetec® user interface status screen
- Monitors up to 16 circuits per system
- Plus series panel size accommodate available options
- Complements total panel System Load Monitor
- Both Fault Location System and Branch Circuit Monitoring can be included in one panel



System Load Monitoring

System load monitoring complements branch circuit load monitoring displaying the total panel load.

- The feature can be added to all Isolated Power Panels
- Notifies before reaching max capacity



Transformer Over-Temperature Alarm

Transformer over-temperature alarm provides early warning of potential high heat transformer malfunction.

- The feature can be added to all Plus Series Isolated Power Panels
- Line isolation monitor alarms before reaching dangerous levels



Device Network Gateway

The SafeDetec™ LIM supports a new PGL device-level serial communication network.

- Up to 50 LIMs are connected via 2-wire RS-485 to a PGL Device Network Gateway (DNG) device
- Multiple DNG devices can be linked via a facility's LAN to scale the network to include up to 250 LIMs, including Fault Location System/Circuit Load Monitor data
- DNG provides remote monitoring of networked devices via web server from any local browser integrated into Building Management System
- Supports email/SMS alerts to designated facility staff



Touch Screen Master Remote

A new 7-inch touch screen Master Remote Annunciator is available as an add-on for the Device Network Gateway Server.

- Monitors and displays alerts for up to 250 LIMs
- Replaces large, difficult-to-wire individual style master remotes
- Typically installed at nurse's station
- Local audible alert with silence
- Includes 12" x 8" x 4" flush-mounted enclosure with stainless steel trim



Remote Annunciators Options

In locations where the isolated power panel is not located in a procedure room, an annunciator remote is required by NFPA 99 healthcare facilities code.

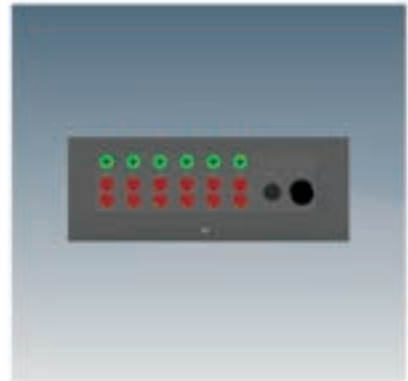
- Displays Line Isolation Monitor status and notifies if a fault has occurred



Front Mounted Receptacles and Ground Jacks

Front-mounted receptacles and ground jacks are available on most configurations of Isolated Power Panels.

- Custom configurations to meet specification requirements
- Mounted on the front of isolated power panels



Laser Outlet Modules

Laser Outlet Modules provide a convenient and safe power interface for portable laser devices in operating rooms.

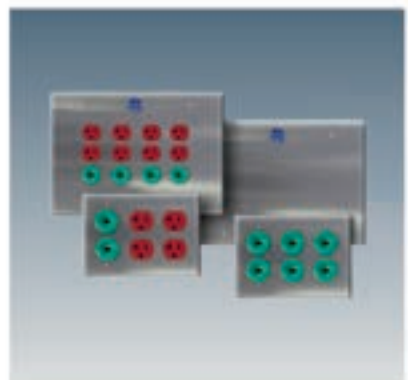
- All Outlet Modules include a user-specified NEMA receptacle
- A flush mount design includes a durable stainless steel front with a hinged door covering the laser receptacle



Power Ground Modules and Receptacles

Power Ground Modules combine equipment ground points and power receptacles serving the same location into a common module.

- Any desired combination of twist-lock, simplex, duplex, and/or hospital-grade power receptacles and twist-lock ground jacks
- Receptacles and ground jacks are mounted in a brushed stainless steel trim plate



CUSTOM RETROFITS



Line Isolation Monitor Retrofit Kits

Upgrading your outdated Line Isolation Monitor with a new replacement from PG LifeLink can extend the life of your existing system and ensure compliance with NFPA 99 testing requirements. PG LifeLink offers complete retrofit kits to bring any brand of system up to date. Our trained technicians can perform the installation and recertify the upgraded system.



Ask an expert

Get help when you need it

+1 800-287-4123

Customizable Retrofit Kits Compatible With Any Brand

All retrofit applications are unique and dependent on current installation conditions. Our experience can provide the best solution for your facility. Common replacements include:

- New Line Isolation Monitor
- Replacement wiring harness
- Replacement mounting bracket(s) and trim
- Operation manual with wiring diagram
- New remote annunciator



1972 Post Glover IPS



1990 PG LifeLink IPS



2018 6-Inch Deep PG LifeLink IPS



2023 Plus Series PG LifeLink IPS with SafeDetec®

SERVICE AND MAINTENANCE



Annual Field Testing and Inspection

PG Lifeline offers Annual Testing Contracts (ATC) for all facilities using Isolated Power. NFPA 99 requires documented testing of all Isolated Power Panels at least once a year.

- PG Lifeline technicians will perform a thorough set of tests and inspections including:
 - System leakage
 - Ground impedance measurement
 - Receptacle ground connection integrity check
 - Verification of LIM alarm point using special fault simulator
- A final test report lists test results from every panel and is provided to owner (suitable for demonstrating compliance to CMS/Joint Commission surveyors)
- Recommended repairs or upgrades identified during testing are documented
- PG Lifeline technicians are trained and qualified to test all brands and models of Isolated Power Systems
- PG Lifeline brand panels tested under a renewable Annual Testing Contract may be eligible for a free warranty extension

Factory Start-Up Commising Test & Inspection

NFPA 99 requires all newly installed Isolated Power Panels to be thoroughly tested prior to first use. Recertification testing is required upon any repair or renovation to the system.

- On-site start-up testing and inspection (FCO) by a factory trained technician is included with all new equipment orders
- A user training session is included at the time of testing
- A final test report and log book is provided



Annual testing

Our Engineers and service experts will provide consultation and custom design services.

Contact us to learn more: **800-287-4123**.

Save time and money with:

- Worry-free reminders
- Documentation records
- Experienced Technicians



PG LifeLink
Experts in Power Safety

The PG LifeLink Quality Commitment

"Through continual improvement, we strive to meet the needs of our customers by delivering the right product at the right time, first time, everytime."



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