

■ Surge Protection
For *Business-Critical Continuity™*

Liebert® LPGE Series

Clean Power Distribution For Electronic Panelboards



The Liebert LPGE Series (PanelGuard™ Extension) is an add-on device for integration with panelboards at the jobsite for enhanced surge suppression.

Liebert LPGE Series minimizes data corruption, errors, system re-boots and component failure. Sine wave tracking circuitry filters high frequency electrical line noise. Patented component level monitoring, including neutral to ground, allows status detection in real time.

Features & Benefits

- **Flexible mounting** (top or bottom) to virtually any panelboard.
- **Universal panelboard application** — can be used with most major manufacturers.
- **ANSI/UL 1449 Third Edition, UL 1283, cUL Listed.**
- **50 Ohm EMI/RFI Attenuation** of 63dB Max from 10kHz to 100MHz.
- **Approved** for Type 2 locations.
- **Surge current capacity** levels from 130kA per phase to 200kA per phase.
- **Standard features** include all modes of protection, unit status indicators and isolated form C dry contacts.
- **Options include:** audible alarm, transient counter.

Specifications

Liebert LPGE Series

Connection Type	Parallel Connected
Certifications	ANSI/UL 1449 Third Edition, UL 1283, cUL Listed
Fault Current Rating (AIC)	200kAIC
Location Type	Type 2
Nominal Discharge Current (In)	20kA
50 ohm EMI/RFI Attenuation	63db max from 10kHz to 100MHz
Protection Modes	All applicable modes standard (L-N, L-G, N-G, L-L)
Warranty	5-years

Surge Current Capacity

Protection Mode	Minimum Tested Impulses Per Mode	Single Pulse Surge Current Capacity		
		Model 100	Model 80	Model 65
Line-to-Neutral	> 3,500	> 100,000 A	> 80,000 A	> 65,000 A
Line-to-Ground	> 3,500	> 100,000 A	> 80,000 A	> 65,000 A
Neutral-to-Ground	> 3,500	> 100,000 A	> 80,000 A	> 65,000 A
Line-to-Line	> 3,500	> 100,000 A	> 80,000 A	> 65,000 A
Per Phase	> 7,000	> 200,000 A	> 160,000 A	> 130,000 A

Duty life cycle tested to survive 20kV, 10kA, IEEE C62.41 Category C3 surge current with less than 5% degradation of clamping voltage.

ANSI/UL 1449 Third Edition - Voltage Protection Ratings (VPRs)

System Voltage	Line to Neutral	Line to Ground	Line to Line	Neutral to Ground
120/208 or 120/240	800V	800V	1000V	700V
208, 240, 277 or 277/480	1200V	1200V	1800V	1200V

Enclosure

NEMA 1 rated.

Surface mount dimensions are 12" x 20" x 6".

Flush mount unit is 12" x 21.5" x 6".

Weight is 15 lbs.

How To Order Liebert LPGE Series (PanelGuard™ Extension)

Phase configuration	Code
1 Ph, 3W+G, 120/240 VAC	120S
3 Ph, 4W+G, 120/208 VAC	120Y
3 Ph, 4W+G, 277/480 VAC	277Y

Other phase configurations available.
Please consult factory.

kA per mode/per phase	Code
65 kA per mode, 130 kA per phase	65
80 kA per mode, 160 kA per phase	80
100 kA per mode, 200 kA per phase	100

Trim type	Code
Surface mount trim	S
Flush mount trim	F

Monitoring options	Code
Standard Status LEDs only	-00
LEDs, Audible Alarm, Counter	-01
LEDs, Audible Alarm	-02
LEDs, Counter	-03

How to construct a Liebert LPGE Series model #	Code
1. Liebert LPGE Series	LPGE
2. Phase configuration	120S
3. kA per mode/per phase	65
4. Trim type: surface mount	S
5. Monitoring options	-01

Sample model #: LPGE120S65S-01

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- Surge Protection

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