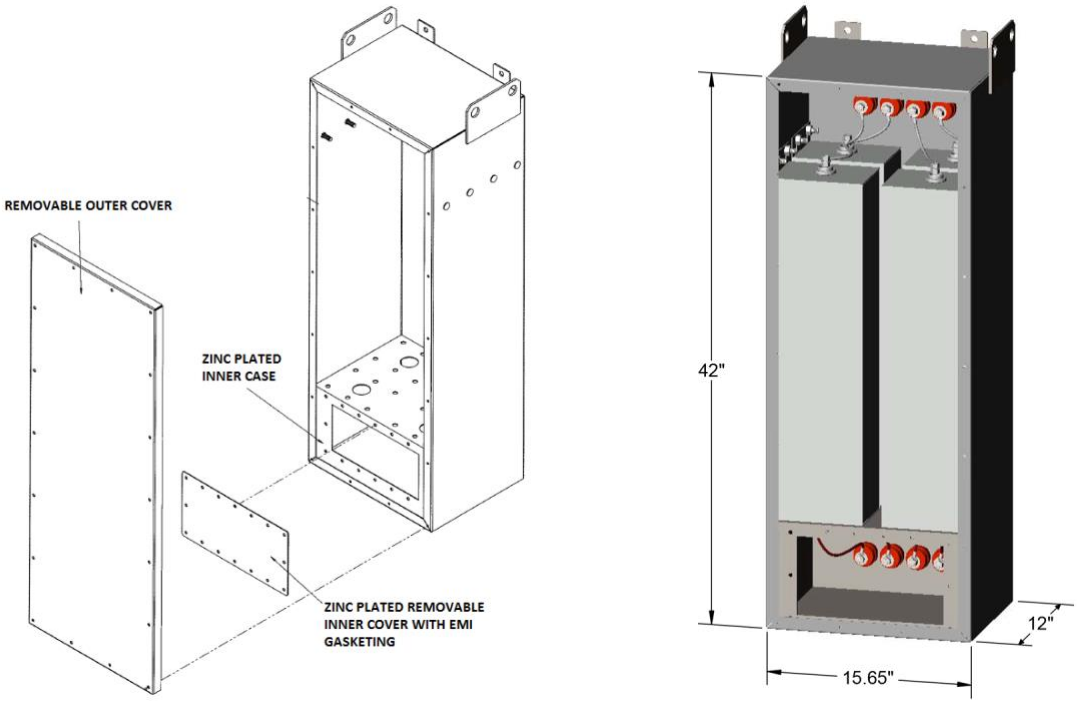
Facility Power Line Filter Panel

GFP88201 “Quad Pack” Compact
High Attenuation Series Capacitive Input Filter Panel
60 AND 100 AMP. 100 dB from 14 kHz ~ 18 GHz



PANEL OPTIONS

GFP88201	-4x	100	-00
PANEL MODEL	NUMBER OF FILTERS * -3x -4x	Current Rating (AMPS)	Add-Ons (Opt)*** 00-Standard 01-Legs 02-Lights 03-MOVs 04-Legs+Lights 05-Legs+MOV 06-Lights+MOV 07-Legs+Light+MOV

* One filter per conductive path
*** Crate for shipping included in all options

Product Summary

EMI/RFI Facility Power Line Filters are used to block unwanted signals and remove interference from entering or exiting through the power lines. Our High Attenuation Filters are specified to 100 dB from 14 kHz ~ 18GHz.

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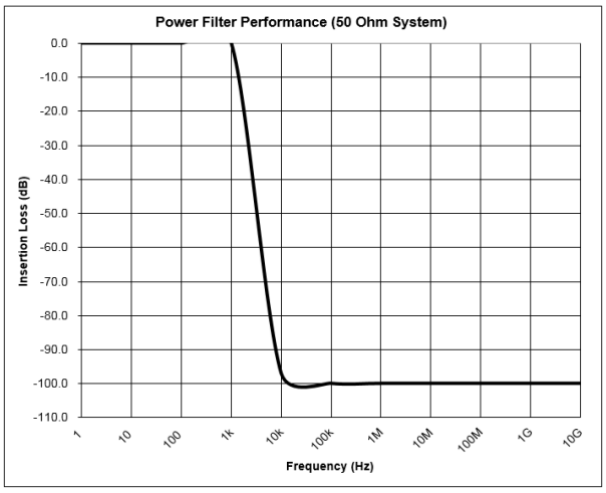
FUNCTIONAL CHARACTERISTICS

- Voltage Ratings:
- Designed to work with all common voltages:
  - 24-1,000 VDC
  - 120/208 VAC (50/60 Hz)
  - 277/480 VAC (50/60 Hz)
  - Max. AC voltage 277 line to ground.
- Voltage Drop:
  - 2% maximum at full rated unity power factor load.
- Harmonic Distortion:
  - 4% maximum at full rated unity power factor load
- Temperature Rating:
  - MIL-PRF-15733
- Current Overload:
  - 140% maximum current rating
- RF Radiation:
  - Greater than 100 dB isolation
- Dielectric With-Standing Voltage:
  - 2,200 VDC (prior to installation of discharge resistors)
- Insulation Resistance:
  - MIL-PRF-15733 (prior to installation of discharge resistors)
- Insertion loss:
  - 100 dB from 14 kHz to 18 GHz
  - 50/50 Ohm System



*Representation of Insertion Loss Specifications

SPECIAL FEATURES

Filters.

Our GF78200 series High Attenuation EMI filters used in these filter panels are UL recognized.

FACILITY FILTER.
86LS

- Low Pass filter circuits ~ passive components which includes inductors, capacitors, resistors, and optional transient suppression devices
- Manufactured and tested per applicable portions of MIL-PRF-15733
- Filter cases 16 gage, CRS, plated or painted finish
- Sealed with welded and soldered seams for shielding effectiveness
- Discharge resistors incorporated to eliminate potential shock hazard

Enclosure

- NEMA 12 type fabricated panel of not less than 14 gauge cold rolled steel Powder coat Gray (Fed. Std. Paint Color 26307)
- RF tight inner area secured with RF gasket for 100 dB minimum shielding effectiveness, 14 kHz to 18 GHz
- Pre-wired standoffs and cable lugs
- Lifting ears included
- Front cover access to filters and terminal standoffs
- Floor mount (Legs) optional

Applicable Specifications

- Military Specifications
  - MIL-PRF-15733 General
- Military Test Methods
  - MIL-STD-202 Component Parts
  - MIL-STD-220 Insertion Loss
  - MIL-STD-285 Shielding Effectiveness
- NFPA 70/2011 National Electrical Code Standards

Available Options

- EMP and surge Suppressors
- HUB Fitting penetration
- Legs (8.0 Inch Standard)

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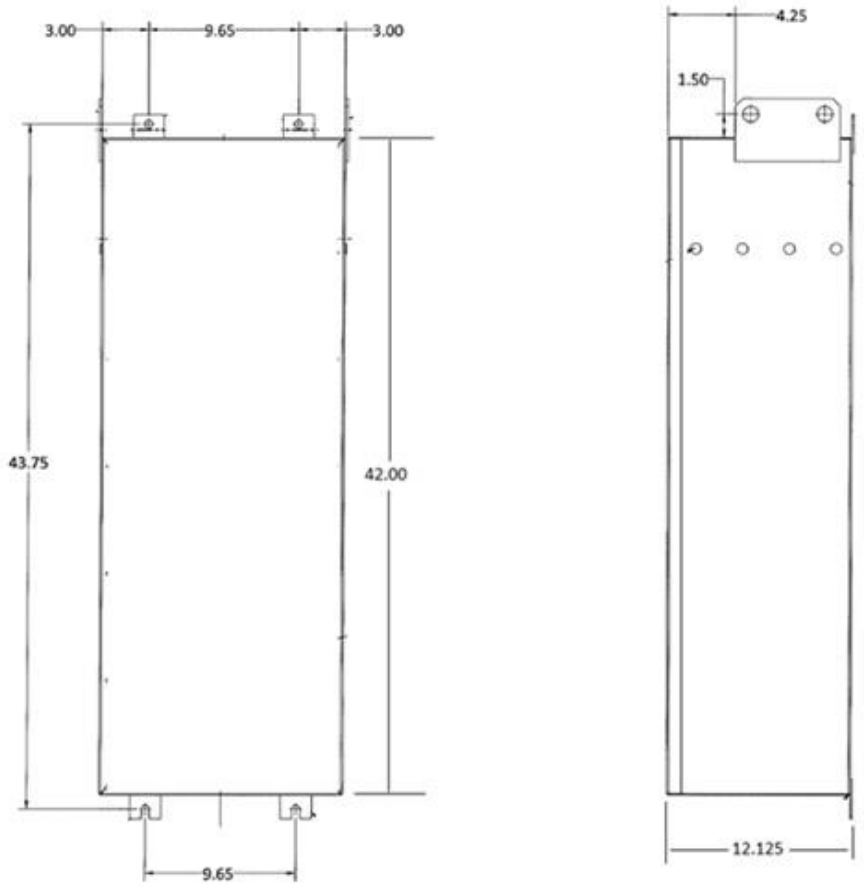
GF88201
60/100 Amp.
Mechanical Dimensions



Approx. Weights (Lbs.)	
3x60/100 amp.	375
4x60/100 amp.	400

***Other Circuit Configurations and Current Ratings may be Available Upon Request • Dimensions are in Inches**

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