

PowerBack GFI

Building / Structural Protection against Current-to-Ground Faults



An additional layer of protection in the form of a Proprietary Ground Fault Interrupt system, designed and manufactured by Bridgeport Magnetics Group will disconnect the unit in case of a current -to -ground exceeding 7-8 ampere. Unlike common GFI circuits which trip at 5-10 milliamperes, the main objective is not personnel shock protection but rather to mitigate a risk of fire due to overheating of soil and adjacent structures due to ground-fault current while the PowerBack is in-use.

The system is customized for the PowerBack and comprise a special current transformer and sensor circuitry, all potted in solid epoxy resin and surrounding the main cable at the point where it exits the PowerBack. The GFI sensor is connected to a shunt trip coil in the PowerBack main circuit breaker.

- Can be added to any PowerBack Unit (10kva, 15kva or 20kva)
- No additional parts to carry or install required
- No added weight to the PowerBack
- Industry tested
- No moving parts to fail
- Affordable / Simple add-on option to standard PowerBack units
- Added layer of protection to Buildings/Structures

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