



## Genie Smart Panel / Cabinet UPS Powered Fault Protected System (One Cycle Clearing)

**The GENIE** is designed to supply AC power and protect multiple critical loads fed by one panel. GENIE is manufactured in our ISO 9001 certified facilities and incorporates the Always On Specifically Designed Breaker (SDB) and an optional communication interface for complete user control. GENIE protects the connected loads from reacting to problems caused by short circuits, i.e. momentary loss of voltage (opening contacts, re-boots etc) and high current spikes creating a possible safety hazard at the failed or shorted loads. During short circuit condition with a standard distribution panel the UPS will be automatically transfer to static bypass mode allowing the input utility to supply dangerously high currents (approximately 300% of the maximum UPS current) for 18 to 22 cycles, the normal amount of time a standard breaker requires to clear, directly to the loads. Also during the time the load breaker is being cleared a large transient will be created resulting in possible damaged or blown boards. In the event the faulted load breaker is not cleared, the UPS will shut-down, due to extended overload, or the UPS input breaker will clear causing a power loss.

**GENIE** is designed to identify an overload condition and clear the SDB in advance of a total load failure preventing damaging and/or dangerous short circuits and high current conditions.

**GENIE** SDB's are designed to clear or open in less than one cycle eliminating the "time window" (18 to 22 cycles of standard breakers) which allows the short circuit evolution of problems to begin.

**GENIE** SDB's intelligent design distinguishes the difference between normal inrush current for equipment and a short circuit or overload condition.

**GENIE** SDB's are simple plug-in breaker design, for easy upgrade or replacement.

### OPTIONS:

#### Communication port:

"GENIE" can incorporate a relay communication interface and alarms to allow for notification of an open SDB.

#### Power Protection:

TVSS protection 200kA surge current to 600kA surge current protection is available.

#### Remote Panel with Audible Alarm:

Configured with notification Display and Alarms function to identify open SDB.

#### Compatibility:

The GENIE is designed specifically for Always "On" UPS products but can be utilized to support other manufactured UPS products.



\*Patent Pending # 60/408,869

**Contact Always On  
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