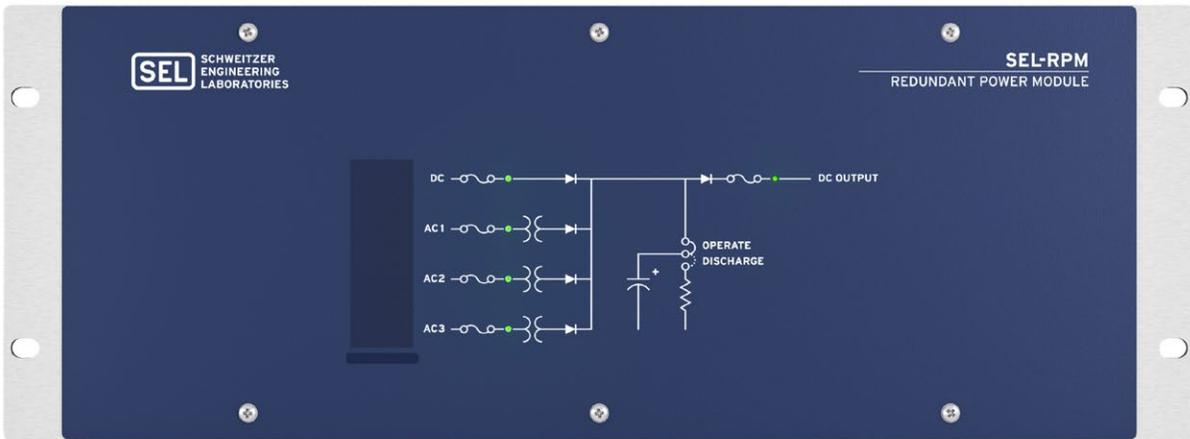


SEL-RPM

Redundant Power Module



A reliable and simple multisource module to power your protection, monitoring, and control equipment

- Combines as many as three ac sources and one dc source for dependable control power during normal operations and power disturbances.
- Keeps protection, automation, and SCADA running and increases device availability, even during station battery servicing and station power interruptions.
- Supports switch or breaker trip/close applications by using large energy storage capacitors when all input sources are lost.
- Provides many advantages of a dual battery system at a fraction of the cost.



Key Features

Multisource Power Module

The SEL-RPM combines as many as three ac inputs and one dc input into a single reliable dc output (unregulated 125 Vdc) to increase the availability of your protection, monitoring, and control equipment. Common sources to combine include the dc battery, station service, alternate station service, backup generator, and instrument transformers. In the event of a disturbance on one source, the other sources continue to provide uninterrupted control power.

Ride-Through Capability

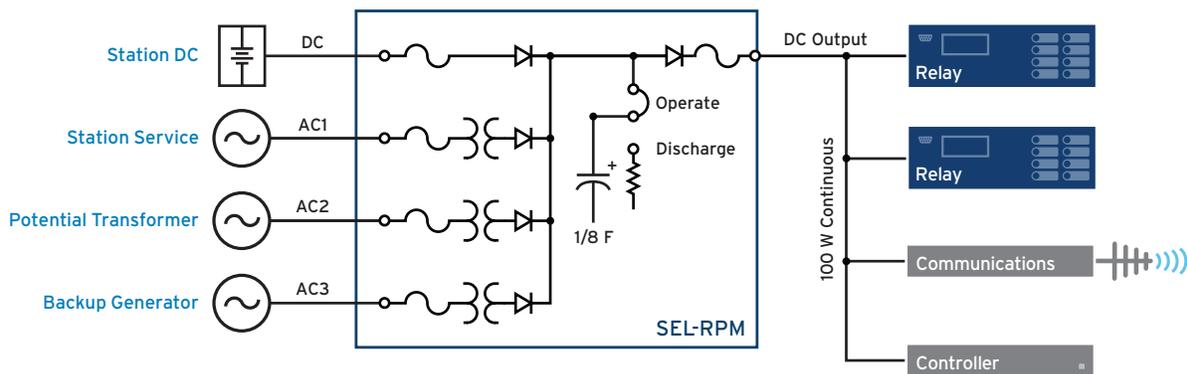
Large energy storage capacitors allow the SEL-RPM to provide significant ride-through capabilities for protective relays, computers, automation controllers, and SCADA when all input sources are lost. These devices will be able to continue operating through momentary power interruptions. The typical ride-through time for a protection panel with four relays is 50 seconds. For a typical automation panel, the ride-through time is 30 seconds. To increase the number of input sources or to increase the ride-through time, you can install and operate multiple SEL-RPM modules in parallel.

Breaker Tripping

The SEL-RPM provides 100 W continuous and 30 A momentary surge current to trip breakers. It also has up to 1,300 watt-seconds of stored energy to trip breakers without any input sources. Because most trip coils require less than 60 watt-seconds to operate, the SEL-RPM can energize trip coils and power a relay long enough to store event records after a total loss of control power.

Simple to Use

No jumpers or user settings are needed for the SEL-RPM, making it easy to use. It is also maintenance-free because it does not require batteries, firmware, or other components that wear out or need attention. The SEL-RPM is economical to apply because it provides the source diversity of a dual battery system without the high costs of installing and maintaining a second battery system.



SEL SCHWEITZER ENGINEERING LABORATORIES

Making Electric Power Safer, More Reliable, and More Economical
+1.509.332.1890 | info@selinc.com | selinc.com

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