System Engineering International



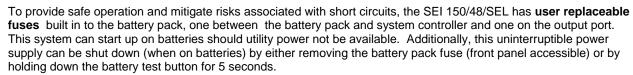
SEI 150/48/SEL-P-ACC DC-UPS

This SEI DC-UPS is a direct replacement for Schweitzer Engineering Labs' SEL-UPS uninterruptible power supply.

Relays, switches, breakers, controls, PLC's and other switchgear related technology are backed up automatically and seamlessly with this affordable and reliable DC UPS.

Designed to meet the requirements of the original SEL-UPS, this unit will support a **0.6A**, 48Vdc load for up to **10 hours**. In

applications requiring surge current, its batteries will support a **30A surge for up to 200ms** every 15 seconds. Without batteries, the power supply can provide a 5A surge for 100ms.



In normal operation, the telecom grade rectifier/charger powers the load while maintaining the batteries in a fully charged state. During periods of utility outage, the batteries are protected from over-discharge by **a low voltage disconnect** circuit. An automatic test circuit **monitors battery performance** and provides alarm indication when the internal battery pack needs replacement. **Remote monitoring** for presence of AC power and battery test status is provided by form c contact closures.

The integrated 9 Ah battery pack is user replaceable, and can be replaced without shutting down the power unit.

Form Fit specifications allow this unit to replace existing SEL-UPS installations without significant modifications. Quantity customized versions of the DC-UPS are available.

Ordering Information

Model #	Description
SEI 150/48/SEL-P-ACC	48 Vdc, 2.7 Amp (150 watt) Power Unit with integrated 9Ah battery backup -1 output connection, two alarm contact connections (power fail, battery test fail), IEC connection for AC input
-HW	Add –HW for hardwired AC input, unterminated
-HWP	Add –HWP for hardwired AC input, IEC type plug

Technical Specifications

Electrical	Environmental	Standards		
Input Voltage: 85-264 VAC 43-63 Hz	Temperature: Storage -20 °C to +50 °C Operating 0 °C to +50 °C	Safety: designed to comply with UL 60950		
Output Voltage: On AC power: 54-55 Vdc				
On battery: 42-48 Vdc	Humidity: 0 to 95% non-condensing	Emissions: Designed to		
Efficiency: 80% @ full load	Optimum battery life will be achieved if the unit is	comply with FCC Part 15,		
Output Ripple: 200mv p-p	operated at a temperature of 25 °C.	Class A		

Technical Specifications –Unit Specific

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Model #	Input Current	Output Current	Battery Back-up Duration				
			@ full load	@ half load	@0.6A typical SEL Load	Thermal load	Dimensions (W" x D" x H") Weight
SEI 150/48/SEL-P-ACC	1.6 A typical at 115 VAC input	2.7 A / 150 watts max	130 minutes	260 minutes	650 minutes	70 BTU/hr max	19 x 8.25 x 5.25 32 lbs





With over thirty years experience and 30,000 systems deployed worldwide, SEI is uniquely positioned to meet the most demanding, critical DC POWER backup requirements. Whether your application is Telecommunications, Mobile Systems integration Process Control/SCADA, or Switchgear, SEI is your go to source for:

COTS off-the-shelf Configurations
Application Specific Configurations
Custom Engineered Solutions



