

System Engineering International

DC-UPS Series - 48Vdc



Power Products

The SEI DC-UPS Series provides **48 Vdc** (nominal) power with integrated battery backup. Four different models offer a range of output current:

- **SEI-125- 2.5 Amps (125 watts)**
- **SEI-250 - 4.5 Amps (250 watts)**
- **SEI-500 - 9.0 Amps (500 watts)**
- **SEI-750 - 13.5 Amps (750watts)**



In normal operation, the telecom grade rectifier/charger(s) power 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. Automatic test circuit **monitor battery performance** and provide alarm indication when the internal battery pack needs replacement. **Remote monitoring** for presence of AC power and battery test status is provided by contact closures.

The SEI-500 and 750 are configured with **parallel rectifiers**, so that the unit provides power in the event of a single rectifier failure, and by de-rating will provide **N+1 redundancy**.

Backup Battery capacity is increased by adding up to two SEI external battery packs (18-6112/BP-9U) or, for extended battery backup (8 hours or more), a high capacity battery cabinet is added. Units have **user replaceable battery packs**, which can be replaced **without shutting down** the power unit.

SEI DC-UPS units are mountable on a wall, 19" rack, or din rails.

An optional **Power Management Package** is available that includes **SNMP** and remotely **managed switching** capability for up to **6 output power ports** as well as monitoring remaining battery holdover time and current levels.

Ordering Information

Order #	Base Model #	Description
18-6104	SEI-125-X-XX	54VDC, 2.5 Amp Power Unit with integrated battery backup- 1 rectifier module, No SNMP
18-6105	SEI-125-X-XX	54VDC, 2.5 Amp Power Unit with integrated battery backup- 1 rectifier module, With SNMP
18-6106	SEI-250-X-XX	54VDC, 4.5 Amp Power Unit with integrated battery backup- 1 rectifier module, No SNMP
18-6107	SEI-250-X-XX	54VDC, 4.5 Amp Power Unit with integrated battery backup- 1 rectifier module, With SNMP
18-6108	SEI-500-X-XX	54VDC, 9 Amp Power Unit with integrated battery backup- 2 rectifier module, No SNMP
18-6109	SEI-500-X-XX	54VDC, 9 Amp Power Unit with integrated battery backup- 2 rectifier module, With SNMP
18-6110	SEI-750-X-XX	54VDC, 13.5 Amp Power Unit with integrated battery backup- 3 rectifier module, No SNMP
18-6111	SEI-750-X-XX	54VDC, 13.5 Amp Power Unit with integrated battery backup- 3 rectifier module, With SNMP

Technical Specifications –All Units

Electrical	Environmental	Standards
Input Voltage: 120 VAC +10%/-15% (240 VAC Factory Option) Output Voltage: On AC power: 54.4-55.2 Vdc On battery: 42-48 Vdc Efficiency: 80% @ full load OutputRipple: 250mv p-p	Temperature: -4°F to +104°F (-20 °C to +40 °C) Humidity :0 to 95% non-condensing Optimum battery life will be achieved if the unit is Class A operated at a temperature of 25 °C.	Safety: UL 60950 Emissions: Complies with FCC Part 15, Class A

Technical Specifications –Unit Specific

Model #	Input Current	Output Current	Battery Back-up Duration		Battery Back-up	Dimensions
			@ full load	@ half load		
SEI-125	3.0 A max	2.5 A max	45 minutes	90 minutes	190 BTU/hr max	19 x 5 x 7
SEI-250	3.0 A max	4.5 A max	70 minutes	150 minutes	190 BTU/hr max	19 x 5 x 14
SEI-500	6.0 A max	9.0 A max	30 minutes	70 minutes	380 BTU/hr max	19 x 5 x 19
SEI-750	9.0 A max	13.5 A max	20 minutes	45 minutes	570 BTU/hr max	19 x 5 x 19

To Order Contact Connectronics (888) 245-8363

Visit us on the web at www.connectronics.com