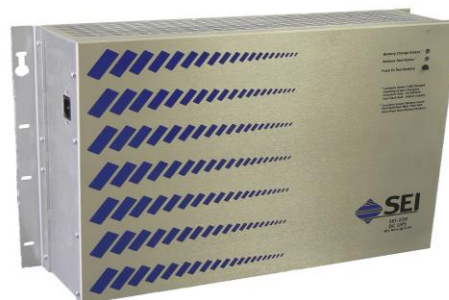


System Engineering International DC-UPS Series – 48Vdc



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

- **SEI-125/48-x – 125 watts**
- **SEI-300/48-x – 300 watts**
- **SEI-600/48-x – 600 watts**



TWO individually monitored and controlled output ports are available in either 8-pin Molex, 2-pin AMP, or fused binding posts. Customer specified output modules are available.

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. 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 optional contact closures.

Backup Battery capacity is increased by adding up to two SEI external battery packs (BP-8U) 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 the two output ports as well as monitoring remaining battery holdover time and current levels.

Quantity customized versions of the DC-UPS are available.

Ordering Information

Model #	Description
SEI-125/48-X-(PMP)	54 Vdc, 125 watt Power Unit with integrated battery backup
SEI-300/48-X-(PMP)	54 Vdc, 300 watt Power Unit with integrated battery backup
SEI-600/48-X-(PMP)	54 Vdc, 600 watt Power Unit with integrated battery backup
Output Selection –two fused outputs per unit. Replace X in model # with 'A', 'M', or 'P'. For the optional Power Management Package, add 'PMP' as a suffix to the model number.	
-A	Two, individually fused 2-pin AMP® Mat-N-Lok™ connectors
-M	Two, individually fused, 8-pin Molex® Minifit™ connectors
-P	Two, individually fused, binding posts

Technical Specifications – All Units

Electrical	Environmental	Standards
Input Voltage: 85-264 VAC, 43-63 HZ Output Voltage: 54-55Vdc when on AC, 42-48Vdc when on battery	Temperature: Storage -20C to 50C. Operating -20C to 50C. Charging -20C to +40C. (To protect the batteries, system automatically shuts down charging above 40C) Humidity: 0-95% non-condensing Optimum battery life will be achieved if the unit is stored and operated at a temperature of +25C	Safety and Emissions: Designed to comply with UL 60950 and with FCC Part 15, Class A

Technical Specifications –Unit Specific

Model #	Input Current	Output Current	Battery Back-up Duration		Thermal load	Dimensions (W" x D" x H")
			@ full load	@ half load		
SEI 125/48-P	3.0 A max	3.0 A max	45 minutes	90 minutes	190 BTU/hr	19 x 5 x 7
SEI 300/48-P	3.0 A max	7.1 A max	65 minutes	130 minutes	190 BTU/hr	19 x 5 x 10
SEI 600/48-P	6.0 A max	14.3A max	30 minutes	65 minutes	380 BTU/hr	19 x 5 x 10

To Order Contact SEI Sales at 301-694-9601
Visit us on the web at www.seipower.com