

System Engineering International 2U DC-UPS 24Vdc Series



The SEI 2U DC-UPS Series provides **24 Vdc** (nominal) power with integrated battery backup. Four different models offer a range of output current:

- **SEI-150/24-2U-P – 150 watts**
- **SEI-300/24-2U-P – 300 watts**
- **SEI-600/24-2U-P – 600 watts**
- **SEI 1200/24-2U-P – 1200 watts**



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 circuits **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 optional contact closures.

The SEI-1200 is 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 (BP-18U or BP36/24SC) or, for extended battery backup (8 hours or more), a high capacity battery cabinet is added. **Internal Battery Replacement** can be performed easily by end users through the convenient drop-down front cover **without shutting down** the power unit.



Up to **10 power outputs** are available through optional distribution modules. Each output module has either one fused 10-32 binding post connection or two individually fused Molex MiniFit Senior connectors.

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

regulated voltages, extended environmental and NEMA enclosures.

Ordering Information

Model #	24 Vdc Description
SEI 150/24-2U-P	27 Vdc, 150 watts Power Unit with 18Ah integrated battery backup and one 10-32 binding post connection
SEI 300/24-2U-P	27 Vdc, 300 watts Power Unit with 18Ah integrated battery backup and one 10-32 binding post connection
SEI 600/24-2U-P	27 Vdc, 600 watts Power Unit with 18Ah integrated battery backup and one 10-32 binding post connection
SEI 1200/24-2U-P	27 Vdc, 1200 watts Power Unit with 18Ah integrated battery backup and one 10-32 binding post connection

SC Designates "Short Chassis" with no internal batteries. PMP includes Power Management Package.

Technical Specifications – 24 Vdc units

Electrical		Environmental	Standards
Input Voltage:	85-264 VAC +/-10%	Temperature: -20 °C to +50 °C	Safety: Designed to comply with UL 60950
Output Voltage On AC:	27.2 – 27.6 Vdc	Humidity: 0 to 95% non-condensing	Emissions: Designed to comply with FCC Part 15, Class A
Output Voltage on Battery:	21-24 Vdc	Battery life will be optimized if unit is operated at temperature of 25 °C	
Efficiency:	80% at full load		
Output Ripple:	250mv p-p		

Model #	Output Current	Battery Back-up Duration		Thermal load	Dimensions (W" x D" x H")
		@ full load	@ half load		
SEI 150/24-2U-P	7.1 A max	130 minutes	260 minutes	190 BTU/hr max	19 x 22 x 3.5
SEI 300/24-2U-P	14.3 A max	65 minutes	130 minutes	190 BTU/hr max	19 x 22 x 3.5
SEI 600/24-2U-P	28.6 A max	32 minutes	65 minutes	650 BTU/hr max	19 x 22 x 3.5
SEI 1200/24-2U-P	57.1 A max	16 minutes	22 minutes	880 BTU/hr max	19 x 22 x 3.5

* Short chassis (SC) is 16" deep

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