

# System Engineering International DC-UPS Series – 24Vdc



The SEI DC-UPS 24 V Series provides **24 Vdc** (nominal) power with integrated battery backup.

- **SEI 125/24-x – 125 watts**
- **SEI 300/24-x – 300 watts**

Two individually controlled and monitored power outputs are provided through three different distribution modules. Each module has two fused connectors: 8-pin Molex, 2-pin AMP, or 10-32 terminal studs. 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.

The integrated 18 Ah battery pack is **user replaceable**, and can be replaced **without shutting down** the power unit. (SEI 125 is limited to 1 output port and 5 Ah battery pack)

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

An optional **Power Management Package (PMP)** is available that includes **SNMP** and remotely **managed switching** capability for the two output power 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-125/24-X-(PMP)	24 Vdc, 125 watts Power Unit with integrated battery backup
SEI-300/24-X-(PMP)	24 Vdc, 300 watts Power Unit with integrated battery backup
<b>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.</b>	
-A	Two, individually fused, 2-pin AMP® Mat-N-Lok™ connectors
-M	Two, individually fused, 8-pin Molex® Minifit™ connectors
-P	Two, individually fused, 10-32 terminal stud pairs

## Technical Specifications – All Units

Electrical	Environmental	Standards
<b>Input Voltage:</b> 85-264 VAC, 43-63 HZ  <b>Output Voltage:</b> 27-28Vdc when on AC, 21-24Vdc when on battery	<b>Temperature:</b> Storage -20C to 50C. Operating -20C to 50C. Charging -20C to +40C. (To protect the batteries, system automatically shuts down charging above 40C)  <b>Humidity:</b> 0-95% non-condensing  Optimum battery life will be achieved if the unit is stored and operated at a temperature of +25C	<b>Safety and Emissions:</b> 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 125/24-P	3.0 A	6 A max	50 minutes	100 minutes	190 BTU/hr	19 x 5 x 7
SEI 300/24-P	3.0 A	14.3 A	65 minutes	130 minutes	190 BTU/hr	19 x 5 x 10

**To Order Contact SEI Sales at 301-694-9601**  
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