

SynQor® Releases an Advanced Field-Grade High Voltage DC Adjustable Output Uninterruptible Power Supply (UPS-1250)

- **1250 Watt DC Adjustable Output Voltage UPS (25 Vdc to 325 Vdc, 6 Amps Max Output)**
- **210 to 325 Vdc Full Power Output Voltage Adjustment Range**
- **On-line Double Conversion, Hot Swappable Internal Battery**
- **Sealed, Shock-Proof, Weather-Proof Construction**
- **1U Rack Unit, Ultra-Low Weight (33 lbs.)**

Boxborough, MA – May 5, 2022 – SynQor, Inc., announces its new full power, High Voltage DC Adjustable Output, Field-Grade, fully isolated [Uninterruptible Power Supply \(UPS\)](#). The new DC3 1250 W high voltage DC adjustable output can deliver any output voltage between 25 Vdc and 325 Vdc; at full power it can deliver between 210 and 325 Vdc. The output voltage and current limit are both user configurable. The DC3 output of multiple units can be paralleled or configured in a N+M redundant configuration for increased output power. The UPS can also be configured to deliver simultaneously to the high voltage DC output, a 24 Vdc or 28 Vdc through its DC2 port (1250 W max) and either 12, 15, 24, 28, 40 or 50 Vdc at 500 W through its DC1 port. The UPS can seamlessly draw power from a wide range of AC input voltages and frequencies, or from a 28 Vdc power source and deliver up to three different, fully isolated DC output voltages.



This compact, ultra-light, fully isolated, rugged UPS is specifically designed for military and aerospace applications. Battery charging applications are also possible with the current limit feature. It is designed to withstand harsh and extreme electrical, shock/vibration and environmental conditions. The power backup is provided by an advanced, highly efficient, low weight, compact, sealed lithium polymer battery pack. SynQor's battery packs significantly outperform other market solutions in the same class. This UPS also includes a variety of features that simplify its operation such as the SNMP ethernet base module that allows real time remote system monitoring with trap/email features that warn users and monitors consoles for important system events. Another feature allows a wide dynamic input frequency range of operation (47 to 800 Hz) for varying frequency input AC applications. These UPS models have a droop share option in the DC2 port which allows for load sharing and redundant (N+M) configurations between multiple UPS units at low output voltages. In addition, the extended battery pack model has a 2U enclosure that increases battery run time from 10 to 24 minutes. SynQor's U.S. based design and manufacturing team has delivered another game-changing product that outperforms other products in its class in output power, efficiency, reliability, flexibility, weight and size. SynQor's products have a proven record of satisfying military specifications while going above and beyond these specifications to deliver the most efficient and dependable solutions in the market.

Features	Specification Compliance
<ul style="list-style-type: none">• High voltage DC regulated adjustable output 25 Vdc to 325 Vdc• Adjustable current limit 0 to 6 A• Built-in Load Sharing and Redundant (N+M) capabilities• >10 min. or >24 min. battery run-time at full power• Universal AC input: 80-265 VAC; 47-65 Hz or 47-800 Hz• 1U High Rack-Mount unit (17" x 22.25" x 1.73")• Optional DC1 output at 12, 15, 24, 28, 40, 50 Vdc• Optional DC2 output at 24, 28 Vdc (takes place of DC input)• Optional DC input (takes place of DC2 output)	<ul style="list-style-type: none">• MIL-STD-461F• MIL-STD-704F• MIL-STD-810G• MIL-STD-1275D• MIL-STD-1399-300B

Please [download the UPS-1250-S/E-1/2U](#) datasheet, the [Operator's Guide](#) and the [accessories](#) page. For more information on this product or for additional power application assistance please explore more at www.synqor.com/HVUPS or [contact your local SynQor representative](#).

About SynQor: Located in Boxborough, MA USA, SynQor is a leading supplier of power conversion solutions to the military, avionics, transportation, medical, industrial, telecommunications and computing markets. SynQor's innovative products are designed to exceed the demanding performance, quality, and reliability requirements of today's power electronic engineers who develop leading-edge infrastructure hardware. SynQor provides all the power conversion modules needed to build a power system, and we also provide complete power systems. SynQor's capabilities include both standard and custom solutions, and we deliver them with industry leading service and support. SynQor's total commitment to quality, customer satisfaction and continuous improvement drives our business processes.