

Power Supplies Provide High Power Density For MIL-COTS VPX Applications

[Vicor Power Systems'](#) VITA 62-compliant power supplies are designed for 3U Open VPX systems and achieve high-efficiency and high-power density in a rugged, conduction-cooled chassis (see the figure). The initial products (models VIT270wxx600yzzz and VIT028wxx600yzzz) operate from a nominal 28-V or 270-V dc input, with predefined output voltages ranging from 3.3 V to 12 V, delivering up to 600 W of power (see the table). Customers requiring different output voltages or power levels can request a customized power supply to meet their own specifications.

This family of products has been fully tested and will meet MIL-461F and MIL-704F. In addition the 28-V input version also meets MIL-1275D. See the [datasheet](#) for compliance information. For more information see the VITA 62 MIL-COTS modules product [page](#).



Figure. Vicor Power Systems' VITA 62-compliant power supplies are designed for 3U Open VPX systems and achieve high-efficiency and high-power density, while delivering up to 600 W of output power.

Table. Key specifications for Vicor's VITA 62-compliant power supplies.

Part #	Input voltage	Package size	Output power					
			+12 V	+5 V	+3.3 V	+3.3 V	+12 V	-12V
VIT270wxx600yzzz	270 V (nom.) 240 to 290 V	3U (3.9 x 6.6 x 0.9 in.)	480 W	150 W	66 W	19.8 W	12 W	12 W
VIT028wxx600yzzz	28 V							