Challenge Accepted

W-IE-NE-R US is proud to present the toughest in VPX power supply technology.

When faced with the most complex challenges, our flexible, ruggedized platform is sure to meet or exceed even the harshest requirements in the industry.

W-IE-NE-R
A Phoenix Mecano Company

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Features

Multi-stage Input Filter
• Protection from reverse polarity, over-voltage, and input voltage spikes of up to 250V as per MIL-STD1275D

28V Power with Wide Input Range
• 28V DC Prime Power with extended input voltage range of 15 to 40V
  - Allows for operation during a “Cranking Surge” as per MIL-STD-1275D, which would drop the input voltage to 16V for a duration of 30s
  - VPX336 can even ride through “Initial Engagement Surge” as defined by MIL-STD-1275E, dropping the input voltage down to 12V for 1s

Discrete Power Circuit, High Efficiency, Flexible Output Configuration
• State-of-the-art switching power technology for high efficiency
• Highly configurable design using discrete components
• VPX336 is designed for maximum output current, supporting configurations having either a stronger 12V, 5V or a more evenly distributed power over the 3 main output channels while maintaining high efficiency of close to 90%

Health Monitoring
• Embedded microprocessor with health monitor provides system status and control
  - Allows for monitoring of input voltage and current as well as the status, voltage, and currents of all output rails
• USB connector allows monitoring and programming of additional features (for instance power sequencing)

Standards-Driven Design, Tested, and Compliant
• Dimensions: 3U x 4HP (0.80” slot) per VITA 62.0
• MIL-STD Compliance
  - Compliant with MIL STD 461, 704 and 1275 as per VITA 62
  - VPX340 has been successfully tested at an accredited 3rd party test lab. Test reports available upon request
    • MIL-STD-461F (EMI) Compliance: Designed and tested in compliance with sections CE102, CS101, CS114, CS115, CS116.
    • MIL-STD-704 Compliance: Designed and tested in compliance for normal and abnormal transients and distortion spectrum. External hold-up circuit optional.
    • MIL-STD-1275D Compliance: Designed and tested in compliance for ripple, surge, & spikes.

Environmental
• Conduction-cooled
• MIL-STD-810G compliant
• Operating temperature range: -40°C to +85°C
• Manufactured with standard acrylic conformal coating to withstand sand, dust and salt atmosphere
• Parylene coating available by request