



PRODUCT BRIEF M2316R 2U 28V DC UPS

Westek's range of rugged products are designed for use in extreme environments where a reliable, cost-effective solution is required. The M2316R is part of Westek's well established and field proven rugged peripherals family, and can be built to meet customer environmental and application requirements.

The M2316R provides rugged AC/DC UPS capability in a custom 2U 19" rack mount chassis.



DC breakout panel options available

Specification¹

- 28V DC output up to 80A
- Auto-ranging 100-265V AC input
- 8 and 16AH capacity options
- Sealed rugged long life VRLA battery pack
- AC fail and low battery alarms
- Output overload protection with resettable circuit breaker
- Options for distribution panels with individually protected outputs

Rugged I/O Options¹

- Power Input
- Power Output
- Circuit breaker and fuse
- Serial port

All I/O presented on rugged MIL 38999 III series and rugged circular connectors. Interfaces can be tailored to meet application requirements, and vary depending on build options selected.

Physical Features²

- In house designed, custom built rugged steel enclosure
- Dimensions: 431 (W) x 88 (H) x 600 (D) mm excluding connectors²
- Weight: ~27kg, final weight is dependent on specific system configuration²
- RoHS and REACH compliant
- Designed to comply with customer defined standards, verification by a third party accredited test lab available³

Field Deployment Features

- Wide operating temperature
- IP53 dust and water ingress protection
- Corrosion resistant powder coat finish with various colour options
- Field replaceable sealed battery pack and cooling module
- Ruggedised and conformally coated electronics for operation in harsh environments

Environmental Specifications

All specifications are dependent on build options and may vary depending on components selected. Please advise our Sales team of your specific environmental requirements to enable us to provide the right solution for your needs.

	Operating	Non-Operating
Low temperature ⁴	-20°C	-40°C
High temperature ⁴	+55°C	+71°C
Vibration ^{3 5}	2G 10Hz to 500Hz	4G 10Hz to 500Hz
Shock ^{3 5}	20G 11msec	40G 11msec
Altitude	Up to 5,000m	Up to 10,000m
Humidity	10-95% non-condensing	

EMC Capabilities

- UKCA/CE compliant
- Designed to meet UL & FCC requirements³
- Designed to meet aspects of MIL-STD-461³



Notations

¹Software, hardware and accessories may vary depending on configuration

²Weight and dimensions vary from configurations and optional accessories

³Designed to meet customer defined standards, verification by a national independent third party test lab available at additional cost

⁴Temperature operating range may vary depending on component selection

⁵Fixed cable management solution may be required to meet shock and vibration requirements (stowed position only)

Customisations are at time of manufacture only



Removable battery tray and cooling module

Over 30 years' experience designing and manufacturing high quality, rugged, mission critical IT solutions for use in extreme environments

Contact Us

To find out more about our customisable solutions and discuss your specific requirements, please contact:

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