

## PRODUCT BRIEF M4316R 4U 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 M4316R 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 M4316R provides rugged AC/DC UPS capability in a custom 4U 19" rack mount chassis.



*DC breakout panel options available*

### Specification<sup>1</sup>

- 28V DC output up to 80A
- Auto-ranging 100-265V AC input
- 25AH capacity
- 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 Options<sup>1</sup>

- 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 Features<sup>2</sup>

- In house designed, custom built rugged aluminium enclosure
- Dimensions: 431 (W) x 176 (H) x 600 (D) mm excluding connectors<sup>2</sup>
- Weight: ~50kg, final weight is dependent on specific system configuration<sup>2</sup>
- RoHS and REACH compliant
- Designed to comply with customer defined standards, verification by a third party accredited test lab available<sup>3</sup>

### 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 <sup>4</sup>	-20°C	-40°C
High temperature <sup>4</sup>	+55°C	+71°C
Vibration <sup>3 5</sup>	2G 10Hz to 500Hz	4G 10Hz to 500Hz
Shock <sup>3 5</sup>	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 requirements<sup>3</sup>
- Designed to meet aspects of MIL-STD-461<sup>3</sup>



## Notations

<sup>1</sup>Software, hardware and accessories may vary depending on configuration

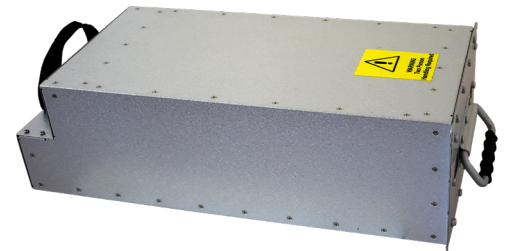
<sup>2</sup>Weight and dimensions vary from configurations and optional accessories

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

<sup>4</sup>Temperature operating range may vary depending on component selection

<sup>5</sup>Fixed 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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