

# Industrial Network Uninterruptible Power Supply (UPS)

## specifications

The Uninterruptible Power Supply (UPS) shall be powered by 24VDC (nominal) input and provide 24VDC (nominal) output at 100 Watts (max.) for a duration of 1.0 minutes, typ. Ultracapacitors shall be employed for energy storage instead of rechargeable batteries, for maintenance-free operation. Remote device management shall be provided via Ethernet interface and multiple source, platform independent software with SNMP v1/v2c/v3 capability. The UPS shall have the ability to monitor load current and predict Hold Time in single or dual power supply applications. The UPS shall monitor and report temperature to predict changes in capacity over its lifetime. The UPS shall offer DIN rail mounting and UL508 approval for integration into NEMA control panels or equipment cabinets.



## technical information

<b>Input power:</b>	24.0 to 28.0 VDC
<b>Output power:</b>	100 Watts (4.55 Amps) max.
<b>Control output:</b>	1x Form A , 30VAC/VDC at 1 Amp max.
<b>Operating temp:</b>	-40°C to +60°C (-40°F to +140°F)
<b>Standards:</b>	cULus, UL 60950-1, UL 508, CSA C22.2 NO. 107.1-01 CAN/CSA C22.2 No. 60950-1-07 IEC 60950-1(ed.2); am1; am2 CAD ICES-3(A)/NMB3(A) CFR 47 FCC Part 15 Subpart B, IEC-003-2016, CNS 13438: 2006 UL 121201 and CAN/CSA C22.2 No. 213-17, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations IECEX EN 60079-0:2012+A11:2013 or EN 60079-15:2015 DEMKO 14 ATEX 1236X Complies with CE, RCM, RSM RCM
<b>Mounting:</b>	EN 60715 NS35 DIN rail mount
<b>RoHS compliant:</b>	Yes
<b>Environmental rating:</b>	EN 60529 IP20
<b>Event management:</b>	Yes (event log)
<b>Backup power:</b>	Storage capacity: 9.3kW-sec (equivalent to 0.12 Amp-hours at 22VDC) Hold Time: 1.0 minutes, typ. at 100W load Hold Time prediction: Yes Lifetime prediction: Yes
<b>Communications interface:</b>	Ethernet (RJ45)
<b>Network interface:</b>	EtherNet/IP CONFORMANCE TESTED* SNMP v1/v2c/v3 Support including UPS-MIB and RFC1213-MIB
<b>User interface:</b>	HTML browser

## key features and benefits

<b>Ultracapacitor technology</b>	<ul style="list-style-type: none"> <li>• Reduces the risk of downtime from battery failures</li> <li>• Provides maintenance-free operation, saves expenses on battery inspections, testing, and replacement</li> <li>• Eliminates cost on HazMat waste battery disposal</li> <li>• Eliminates hydrogen gas buildup inside the enclosure</li> </ul>
<b>Remote management with auto alerts</b>	<ul style="list-style-type: none"> <li>• Saves time by monitoring Hold Time and Lifetime from the factory floor or office</li> <li>• Easy device monitoring through Simple Network Management Protocol (SNMP v1/v2c/v3)</li> <li>• Works with standard web browsers and EtherNet/IP** to easily integrate with FactoryTalk*** network devices; saves time and money on proprietary software</li> </ul>
<b>Compact, one-piece design</b>	<ul style="list-style-type: none"> <li>• Saves valuable panel space – 80mm DIN rail width is less than 1/2 the size of typical battery UPS; installs quickly and easily</li> </ul>
<b>Wide operating temperature range</b>	<ul style="list-style-type: none"> <li>• Delivers consistent performance from -40°C to +60°C</li> </ul>

\*EtherNet/IP CONFORMANCE TESTED is a certification mark of ODVA, Inc.

\*\*EtherNet/IP is a trademark of ODVA, Inc.

\*\*\*FactoryTalk is registered by Rockwell Automation in the Patent and Trademark Office of the United States.

### Industrial Network UPS

**UPS** UPS00100DC

### Load Sense Module (Optional Accessory)

**LSM** UPS003LSM

### Integrated Network Zone Systems, Includes a Panduit Industrial UPS

**24" x 24" enclosure (various configurations):** Z22N-xxxx5

**24" x 36" enclosure (various configurations):** Z23N-xxxx5

### Switch Ready Network Zone Systems, Includes a Panduit Industrial UPS

**24" x 24" enclosure (various configurations):** Z22R-xx5x

**24" x 36" enclosure (various configurations):** Z23R-xx5x

### Pre-Configured Network Zone Systems

**24" x 24" enclosure:** Z22C-S

**24" x 36" enclosure:** Z23C-S

### Universal Network Zone Systems, Includes a Panduit Industrial UPS

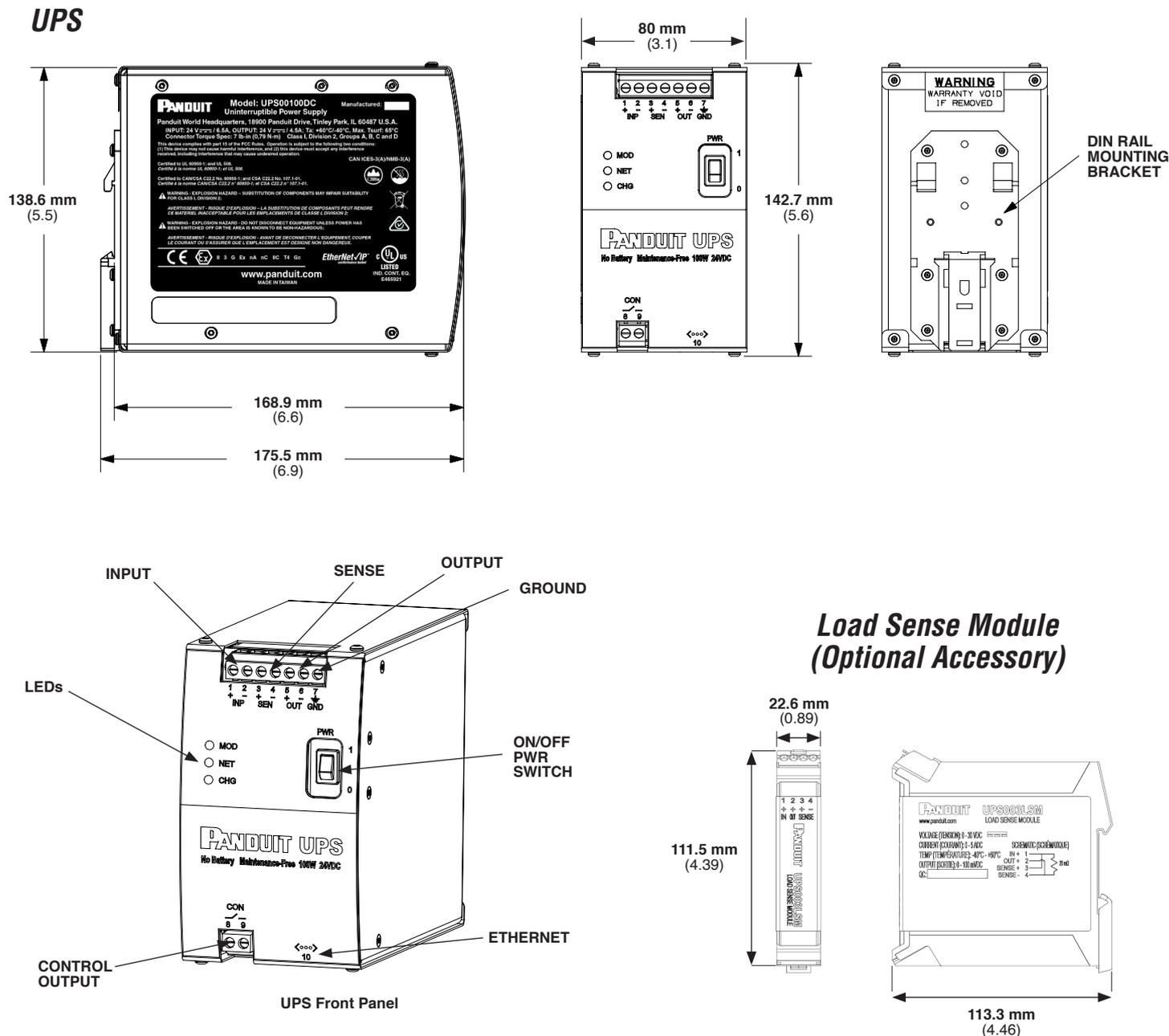
**24" x 24" enclosure (various configurations):** Z22U-xx5x

**24" x 36" enclosure (various configurations):** Z23U-xx5x

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## applications

The Panduit Industrial Network UPS is intended to provide uninterrupted power for critical applications including managed network switches, micro PLCs, and HMIs deployed on the factory floor. The device is suitable for use in extremely low temperature environments and elevated temperatures without loss of performance or reduced life.



Dimensions are metric. (Dimensions in parentheses are inches.)

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