



## ZincBlue2® PIM

### The Safer, Smarter, Greener, UPS Battery System

Uninterruptable Power Supply (UPS) systems help ensure signalized intersections continue to function properly during utility power disruptions. ZincBlue2® is Econolite's next-generation intelligent Nickel-Zinc (Ni-Zn) battery-based UPS system.

The Power Interface Module (PIM) provides an easy-to-connect, safe interface for incoming utility AC to ZincBlue2 and the cabinet. There are now two variants of the PIM, a Shelf Mount style and a Rack Mount style. Both have incorporated new terminal block connections to speed up installations, plus this provides the added convenience of truly being able to set the unit on a shelf as the input and output wires no longer protrude through the bottom of the unit. The Rack Mount version is 2U in height and is more convenient to install in 33x style cabinets. They both have an automatic bypass switch which insures that an intersection cannot accidentally be put dark when working with the system in the cabinet. The keyed connections provide for a simple setup without any confusion.



#### Key Features

- Both hot and neutral are switched to fully isolate the UPS from neutral issues in field wiring
- Automatic bypass switch closes instantly anytime UPS power output is not sensed. No need to put in bypass to work on the system
- Built-in Test Switch kills power to the UPS simulating an outage. Coupled with automatic bypass this removes the worry of putting the intersection dark
- Shelf Mount PIM update allows for true shelf placement (no wiring protruding from the bottom)
- Rack Mount PIM brackets adjustable to recess the unit if desired
- Shelf Mount unit has mounting holes on all sides for mounting with included mounting bracket

Specifications	ZincBlue2 PIM
AC Power Interface	Utility and Cabinet Load: Terminal Block for 10AWG (#8 Screw)
AC Power Connections	<ul style="list-style-type: none"> <li>To UPS IEC320 C19 (female)</li> <li>From UPS IEC320 C20 (male)</li> <li>To Battery Panel/Module IEC 320 C19 (female)</li> </ul>
Automatic Bypass Switch	<ul style="list-style-type: none"> <li>Double Pole Double Throw (DPDT)</li> <li>Contact Rating: 120/240 Vac @ 30A continuous</li> </ul>
Breakers	<ul style="list-style-type: none"> <li>Combined UPS Test Switch and 15A input breaker</li> <li>UPS output 20A breaker</li> </ul>
Frequency	60Hz nominal
Input Current	15A max
Input Frequency	60Hz nominal
Input Voltage Range	120Vac nominal
Mounting	Rack mount, Shelf mount
Operating Temperature Range	(-37°C to 74°C) (-34°F to 165°F)
Output Current	15A max
Output Voltage	120Vac nominal
Size	Rack Mount: 3.25"H X 17.13"W X 4.63"D Shelf Mount: 6.0"H X 10.0"W X 4.0"D
Test Outlet	NEMA receptacle 5-15
UL/CSA	UPS System Level including PIM: Evaluated to UL1778 and CSA C22.2 No. 107.3-14 for use in USA and Canada
Visual	Red indicator: PIM is in Bypass mode
Weight	Rack Mount: 3.8lbs Shelf Mount: 3.7lbs

- All specifications valid at operating temperature range
- All specifications subject to change