



BTU RESEARCH™

BROWNOUT BUDDY™

UPS-PoE Injectors

“UNINTERRUPTIBLE POWER (OVER ETHERNET) SUPPLY”™



The **UPS-PoE Injector** recognizes AC and PSE power disruptions and automatically switches the power source to an internal battery pack. Switching between power sources is instantaneous and glitch free, providing smooth uninterrupted power system operations where “always on” operating is mission critical. All PoE and IoT enabled devices including, wireless radios, surveillance cameras, RFID's, drones, smart sensors and controls can greatly benefit from this backup and power source all-in-one unit!

BTU-UPS-POE SERIES BENEFITS & ADVANTAGES

Just as standard PoE injectors have supplied efficient and cost effective power to Ethernet network devices, the **UPS-PoE-INJECTOR** delivers the same efficient and cost effective power **together with an internal UPS for an instantaneous and continuous supply of power**. This device flexibility provides a solid redundant power platform for networking hardware regardless of the remoteness of the installation.

Other benefits include:

- Highly cost effective means of maintaining PoE power
- Eliminates the need for a second UPS which provides both cost and space savings
- A simplified installation for new installs and for replacing standard PoE injectors
- Operates during a power failure for up to 12 hours on its internal battery pack
- Recharges when utility power is restored
- Reduced service calls by maintaining power to access points during power disruptions



PRODUCT FEATURES

- Delivers PoE connectivity to endpoint devices
- Fully IEEE 802.3af/at Compliant
- NEMA TS2 in accordance with FDOT A615 Requirements
- Meets UL 497B Surge Protection Standard for communication line safety and performance
- Nanosecond response time to transient surges, continual over-voltage, under-voltage and over-current conditions.
- Battery over-depletion protection preserves batteries and prevents over-depletion hazards
- Relay port for notification of AC power status
- Sub milliwatt standby power with near zero operating power losses for extreme efficiency
- Auxiliary port for external 4Ah Power Capsule or 24V solar converter input
- Din Rail Mountable

Main Ports	Two shielded RJ45 PoE ports: Power+Data - LAN-(in) PoE-(out)		
Auxiliary & Relay Ports	One AUX port with AMP connector for additional back up with the BTU Auxiliary Power Capsule or for use with a 24V solar converter. One RLY port with a Molex connector to dry contacts for notification of AC power status.		
LEDs (4 each)	AC Power, DC Power, Battery Charged, Battery Charging		
UPS-POE-INJECTOR SUMMARY SPECIFICATIONS			
AC Input Power	AC Input Voltage: 90VAC-264VAC	AC Frequency: 50-60Hz	
Output Power/Data Throughput	BTU MODEL NUMBER	OUTPUT DCV	DATA THROUGHPUT
	BTU-UPS-POE 30W-G	IEEE 802.3af/at compliant	10/100/1000 Mbps
	BTU-UPS-UPOE 60W-G	IEEE 802.3af/at compliant	10/100/1000 Mbps
	BTU-UPS-HIPOE 60W-G	IEEE 802.3af/at compliant	10/100/1000 Mbps
Included Internal Battery Pack	24V - 2200mAh rechargeable Li-Ion		
PHYSICAL SPECIFICATIONS			
Dimensions (L X W X H)	235 x 110 x 42 mm		
Weight	850G		
ENVIRONMENTAL			
Power	AC input voltage: 90-264 VAC	AC frequency: 50-60Hz	
Safety/Certifications	IEC-61000-4-2, 4-4, 4-5 ESD/EMI/EMC FCC Class B, CE, CB, UL, cUL-60950-1, EN60950-1, EMI/EMC:5502:2010 Class B		
Operating	Temperature: -40° to 70°C	Humidity: 20% - 90%	
Storage	Temperature: -40° to 85°C	Humidity: 20% - 90%	
Vibration & Shock	10~3000Hz, 10 min/cycle, for 1 hr along each of the X,Y & Z axis, 2g-rms		
PACKAGE CONTENTS			
BTU-UPS-POE-Injector, AC Power Cord, Din Rail Mount Kit, Installation Guide			
MINIMUM REQUIREMENTS			
PoE midpoint or endpoint device, Ethernet Switch for uplink connectivity, 2 ea. Cat5e or better patch cables, Wiring Standards: EIA 568A and 568B			
PAIRS WITH			
BTU-POE-ETH (FDOT APL #620-004-007)			
WARRANTY			
BTU-UPS-POE Injectors	Device: 3 Year Limited	Battery Pack: 1 Year Limited	