

# IBEC BPL Products

## Broadband Regenerator Unit (BRU)

(battery backup optional)



(Wireless optional)

IBEC's Broadband over Power Line equipment has been specifically engineered to meet the needs of rural and underserved markets. Its cutting-edge BPL Headends, Broadband Regenerator Units (BRU), Customer Access Units (CAU), Couplers and Modems have been designed to cost effectively cover long distances with low population density, while working equally well in densely-populated areas.

### Headquarters

285 Dunlop Boulevard SW  
Building 500, Suite K  
Huntsville, Alabama 35824-1103  
voice: 256.492.1000  
fax: 256.730.4863  
email: [info@ibec.net](mailto:info@ibec.net)

### Sales

5340 Old US Hwy 278 East  
Hokes Bluff, Alabama 35903  
voice: 256.456.1418  
fax: 256.456.1406  
email: [sales@ibec.net](mailto:sales@ibec.net)

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**the World's Broadband®**



## Broadband Regenerator Unit (BRU) Technical Specifications

- Based on 200 Mbps DS2 technology, dual DSS9002 chipsets
- 10/100 Ethernet jack
- SNMP, telnet, or web-managed
- Per-modem integrated coexistence filters for modes 1, 2, 3, and bypass
- BPL output: 50 Ohms (F-type female), balanced or unbalanced
- Integrated IEEE 802.11 b/g wireless access point (optional)
- Operating temperature: -20°C to +60°C
- Storage temperature: -30°C to +85°C
- FCC part 15 class A, class G type certification
- EN61000-4-5 surge-compliant
- Designed to UL1950 requirements
- IEC IP67-compliant waterproof housing
- Power: 90-250 VAC, 50/60 Hz universal supply
- Sealed power connector
- 25 Watts power consumption
- Dimensions: 12 x 9 x 3.75 inches; .3 x .23 x .01 meters (LxWxD)
- Weight: 10 lbs; 4.5 Kg plus optional battery
- 2 hours of backup operation with included external battery
- Separate replaceable battery module, located outside of the BPL unit
- Ensures quick replacement and no network outage
- Ensures longer battery life by separating from internal electronics
- U.S. patents 5,864,284 6,040,759
- U.S. and International patents pending



### Optional Battery Backup Specifications

- Operating Temp -20 to +60C
- 2 hour minimum backup operation
- Pole mounting or attach to BRU unit
- Proven sealed lead acid battery technology
- NEMA 4 rated housing and waterproof connections
- Easy battery access and replacement
- LED indicators to indicate status
- Network Monitoring via SNMP and Console commands
- Temperature compensation to maximize battery life
- Automatically tests and monitors battery conditions
- Typical battery life 3 to 5 years

### Battery Backup Configurations



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