



**TORUS  
POWER**

## Press Release

# Torus Power Isolation Units

Torus Power PIUs (Power Isolation Units) combine robust and refined surge suppression with unique toroidal transformer technologies from PLITRON to provide complete isolation and AC power conditioning plus protection for sensitive audio and video equipment applications.

PIUs use ZeroSurge® patented series-mode surge removal filters to absorb dangerous voltage surges and safely dissipate them without using failure-prone MOVs (metal oxide varistors). Also, unlike MOV-based protection, voltage surges are not shunted to ground.

Isolation is combined with proven proprietary technologies from PLITRON in the over-sized toroidal transformer. NBT works as a low pass filter using the controlled leakage inductance and capacitances within the transformer to cancel common mode and differential mode noise. LoNo technology has been used for years by high-end audio companies who demand silent transformers. Imin technology reduces inrush currents. UST provides additional common mode filtering using a highly efficient Faraday screen.

Users can plug Torus PIUs with ratings up to 20A directly into existing AC circuits. Models using standard 15A or 20A 120V input include the 15A and 20A Rack Mount, plus the three Torus Box PIUs. 120V input models are suitable for most home systems. For higher power applications, multiple units can be used.

For users who want to maximize the benefits of Torus PIUs, dedicated 240V balanced input circuits can be installed. Balanced input from two standard 120V phases provides high power and noise cancellation. Using balanced input power provides the benefits of symmetrical power without the requirement to use GFCI (ground-fault circuit interruption) outlets. GFCIs are prone to nuisance-trips. The toroidal isolation transformer steps-down the 240V input to 120V to power equipment. Where 240V balanced input is unavailable, these higher-power units may be configured for 208V operation.

Low-impedance output with balanced high-power primary input provides the most unconstrained, yet protected, energy source available to equipment.

Eleven models are offered in six sizes with nine power levels from 2.5A to 100A. Prices from \$1600 to \$8550 (US). Stock to 4 weeks.

Torus Power products are sold through authorized dealers and marketed worldwide through Bryston Limited.

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Contact  
James Tanner  
705-742-5325  
jamestanner@bryston.ca  
Bryston Limited  
677 Neal Drive  
Peterborough, ON

Torus Power  
PO Box 30030  
Toronto, ON  
M3J 3L6  
Canada  
416-667-8473