



Tempest SA3600A

Patented technology that protects Line, Neutral and Ground: a UL component listed circuit for building superior surge protection and conditioning into OEM products.



⚡ Surge Protection

⚡ Power Conditioning & Filter

⚡ Stable Ground Reference

⚡ Harmonic Attenuation

🔒 PLE Suppression

Electrical Features

Input connection 3 each 0.25" QC spade connectors

Output connection 3 each 0.25" QC spade connectors

Circuit protection None required

Physical & Environmental

Storage temp (ambient) -40° to 104°F (-40° to 40°C)

Operating temp (ambient) -40° to 104°F (-40° to 40°C)

Product weight 300 g

Dimensions (L × W × H) 153 × 52 × 38 mm

Warranty 30 days

Electrical Ratings

Input voltage 85-250 VAC single phase

Max wattage 3600 W

Output current 15 A US / Canada · 10 A international

Nominal frequency 50 to 60 Hz

Power factor 0.99

Regulatory compliance UL 62368-1 (component listed) · CE

Performance Metrics

Voltage protection rating 330 V Line-Neutral, Line-Ground, Neutral-Ground

Electrical mode protection Patented in-series Normal (L-N) and Common Mode (L-G, N-G, L, N, G)

Harmonic attenuation 40% typical reduction of odd-numbered current harmonics

Ground-path protection Patented bi-directional filtering of multiple frequencies on the Ground conductor

EMI / RFI noise attenuation Each path (Line, Neutral, Ground) bi-directionally filtered: up to 100 dB on Line and Neutral, up to 60 dB on Ground · 100 Hz to >1 GHz

Electromagnetic pulse reduction Blocks unwanted pulse current entering Line, Neutral and Ground

Surge suppression design Series mode protection; energy suppression is not joule-limited

Surge endurance Independently tested: 6000 V / 3000 A combination wave (1.2/50 μ s voltage, 8/20 μ s current) applied approximately every 45 seconds for 24 hours with powered loads in place; no degradation to the unit or the protected device

Clamping voltage under load Line-Neutral 120 V RMS $\pm$ 10 V · Neutral-Ground 0 V RMS $\pm$ 10 V (typical during surge)

Surge line current Less than 0.0001 A over RMS

Surge protection life Surge events do not damage the patented circuit; protection is always active

🔒 PLE suppression, standard in every Bantam circuit

Suppresses power-line emissions (PLE): unwanted high-frequency signals that ride along power wiring, blocking them bi-directionally so they neither leak off your equipment nor couple onto it from the line.

Intellectual Property · U.S. Patents

8,223,468 Power Conditioning Circuit Utilizing High Oersted Rating Inductors

11,775,645 · 12,019,751 · 12,271,477

Suppression of Signal Transmission over a Conductor



One patented circuit. Every product.

Surge protection, power conditioning, a stable ground reference, harmonic attenuation, power factor correction and PLE suppression, engineered into every Bantam product from portable point-of-use units to OEM components.

Computers & Servers

Gaming, Kiosk & ATM

Professional Audio & Video

Hospitality & Point of Sale

Security & Surveillance

Industrial Controllers & Instrumentation

POINT OF USE

Vanguard Series

PP3002B • PP3004A • PP18004A

Portable and compact, the Vanguard packs patented power conditioning and surge protection into a small, affordable package for home, office and pro-AV use.

Input / output	110-120 VAC single phase • 15 A
Outlets	Filtered NEMA 5-15R (2 or 4)
Circuit protection	15 A thermal breaker, push-to-reset

Listed to UL 1449 by MET Labs

RACK, FLOOR OR WALL MOUNT

Citadel Series

RM1440A (120 V) • RM2880A (220-230 V)

Versatile 12 A protection for computers, servers, test equipment, security, POS, controllers and audio, with a color LCD showing surge count, voltage, current, frequency, wattage and power factor in real time.

RM1440A	1440 VA • six NEMA 5-15R + two IEC 320 C13
RM2880A	2880 VA • eight IEC 320 C13
Circuit protection	Thermal breaker, push-to-reset

Listed to UL 62368-1

OEM COMPONENT

Tempest SA3600A

85-250 VAC input • 3600 W • 10-15 A

The patented Bantam circuit as a UL component listed module, so OEMs can build superior surge protection and power conditioning into a wide variety of products.

Connections	3 each 0.25" QC spade connectors
Frequency	50 to 60 Hz • power factor 0.99
Circuit protection	None required

UL 62368-1 component listed • CE

UNINTERRUPTIBLE POWER

Nexus UPS Series

Nexus 360 • 800 • 1200 • 1500

Battery-backed continuity built on the same patented Bantam conditioning circuit, so protected equipment rides through outages on clean, conditioned power. Launching 2026.

Family	Four models spanning desktop to rack loads
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Launching 2026



Standard across the line: PLE suppression

Suppresses power-line emissions (PLE): unwanted high-frequency signals that ride along power wiring, blocking them bi-directionally so they neither leak off your equipment nor couple onto it from the line.

Every Bantam product embodies all four active U.S. patents

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