

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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