

# Vanguard Series

Portable, patented point-of-use power conditioning and surge protection. Two capacity tiers, one non-sacrificial circuit.

⚡ Surge Protection

⚡ Power Conditioning & Filter

⚡ Stable Ground Reference

⚡ Harmonic Attenuation

🔒 PLE Suppression

## STANDARD CAPACITY · 2 OUTLETS

### PP3002B

360 VA · 3 A  
110-120 VAC · 50-60 Hz



The minimal-footprint Vanguard for one device plus one peripheral.

**Outlets** 2 filtered NEMA 5-15R  
**Capacity** 360 VA · 3 amps  
**Design** Ventless: no fan, no idle noise

UL 1449 · MET Labs

3-year replacement

## STANDARD CAPACITY · 4 OUTLETS

### PP3004A

360 VA · 3 A  
110-120 VAC · 50-60 Hz



Four protected outlets for everyday setups: workstations, AV, network gear and POS.

**Outlets** 4 filtered NEMA 5-15R  
**Capacity** 360 VA · 3 amps  
**Design** Ventless: no fan, no idle noise

UL 1449 · MET Labs

3-year replacement

## HIGH CAPACITY · 4 OUTLETS

### PP18004A

1800 VA · 15 A  
110-120 VAC · 50-60 Hz



Full 1800 VA capacity: from a complete home theater to your largest gaming setup to a MIG welder.

**Outlets** 4 filtered NEMA 5-15R  
**Capacity** 1800 VA · 15 amps  
**Protection** 15 A thermal breaker, push-to-reset  
**Cord** 6 ft · 14 AWG · NEMA 5-15P plug

UL 1449 · MET Labs

3-year replacement

## How to read a Vanguard model number

**PP**  
Plastic Power Conditioner

**1800**  
Capacity designator (VA)

**4**  
Outlet count

**A**  
Revision level

The 300 in PP3002B and PP3004A is the rounded family designator; the true rating of both models is 360 VA.

## Performance, Shared Across the Series

|                             |                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                      |
| 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 $\mu$ s voltage, 8/20 $\mu$ s current) applied approximately every 45 seconds for 24 hours with powered loads in place; no degradation to the unit or the protected device |
| Surge protection life       | Surge events do not damage the patented circuit; protection is always active                                                                                                                                                              |
| Warranty                    | 3-year full replacement                                                                                                                                                                                                                   |

## 🔒 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)        |
| 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                |
| 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  |
| 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 |
|--------|--------------------------------------------|

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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4769 E. Wesley Drive, Anaheim, CA 92807 • (714)  
970-0900

bantamcleanpower.com