The NXT Power Vanguard Series is a double conversion topology UPS system. It provides true sinewave output to critical applications and equipment that requires seamless power correction. The VANGUARD UPS line offers generator compatibility and delivers continuous AC Power with zero transfer time. It’s high frequency mode along with advanced battery management makes it eco-friendly.

**POWER QUALITY TO PUT YOUR TRUST IN**

The NXT Power Vanguard UPS line has an internal static bypass, ensuring that if your UPS experiences a catastrophic failure or requires maintenance, you may be able to keep your critical systems online during repair or replacement. Designed to stabilize voltage, including over voltage, lower voltage and provide stable voltage for critical devices.

The NXT Power Vanguard double conversion topology UPS systems are specifically designed for high-end IT systems, corporate servers, lab equipment and other critical or sensitive electronic devices.

**SUPERIOR POWER PROTECTION**

**BENEFITS & FEATURES**

- On-Line UPS with Tower Type Design
- Pure Sinewave Output with Double Conversion Topology
- Designed for Advance Mission Critical Systems
- Hot Swappable Battery Replacement (Option)
- High Efficiency Mode and Free-Run Mode Available
- Overload, Surge, Short Circuit Protection
- UL 1778 Listed

**SUITABLE FOR USE WITH:**

- Clinical Diagnostics
- Analytical Instrumentation
- Laboratory Applications
# Vanguard Series Online UPS - Product Specifications

## Configuration

<table>
<thead>
<tr>
<th>Model</th>
<th>VGS-1500</th>
<th>VGS-2000</th>
<th>VGS-3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (VA)</td>
<td>1500 VA</td>
<td>2000 VA</td>
<td>3000 VA</td>
</tr>
<tr>
<td>Capacity (Watts)</td>
<td>1350 W</td>
<td>1800 W</td>
<td>2700 W</td>
</tr>
<tr>
<td>Form</td>
<td>Tower Type</td>
<td>Single Phase</td>
<td></td>
</tr>
<tr>
<td>Phase</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Saving</td>
<td>Yes - ECO Mode Efficiency &gt;94%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Input

- **Voltage**: 100 / 110 / 115 / 120 / 127 Vac
- **Input Voltage Range (110 Vac)**: 60 - 144 Vac, < 25% Load; 70 - 144 Vac, < 50% Load; 80 - 144 Vac, < 75% Load; 90 - 144 Vac, < 100% Load
- **Input Frequency Range**: 50 / 60 Hz (Auto Sensing)
- **Input Power Factor**: >0.97
- **Cold Start**: Yes

## Output

- **Rated Power Factor**: 0.9
- **Waveform**: Pure Sine Wave
- **Voltage**: 100 / 110 / 115 / 120 / 127 Vac
- **Frequency**: 50 / 60 Hz ±0.25 Hz
- **Transfer Time**: 0 ms
- **Harmonic Distortion**: ≤ 2.5% THD at Linear Load
- **Crest Factor**: 3:1
- **EPO Function**: Yes

## Protection

- **Overload**: Line Mode - 105% - 120% for 30 seconds; 120% - 150% for 10 seconds; 101% - 109% for 3 seconds
  - Battery Mode - 110% - 120% for 10 seconds; 100% - 120% for 3 seconds
- **Surge Protection**: IEC 61000-4-5 Level 3
- **Bypass**: Internal Bypass (Automatic and Manual)
- **Short Circuit Protection**: UPS Output Cut Off Immediately

## Battery

- **Type**: 12V 7Ah
- **Quantity**: 4 / 6 / 8
- **Sealed, MaintenanceFree**: Yes
- **Typical Recharge Time**: 4 hr to 90%
- **External Battery Module**: Option
- **External Battery Connector**: Option

## Management & Communication

- **Indicator**: LCD Control Panel
- **Communication Port**: RS 232, USB B type
- **SNMP Slot**: Option
- **Audible Alarms**: Yes

## Physical

- **Dimensions (WxDxH) (in)**: 5.98 x 19.68 x 9.48 / 8.85 x 16.53 x 14.09 / 8.85 x 16.53 x 14.09
- **Weight (lbs)**: 42 / 63.49 / 66.13
- **Shipping Dimensions (in)**: 11.02 x 24.60 x 14.01 / 13.38 x 20.70 x 19.09 / 13.38 x 20.70 x 19.09
- **Shipping Weight (lbs)**: 46.95 / 69.66 / 72.53

## Agency Listing

- **Listing**: UL 1778

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**Key Features**

- **On-line UPS Design**
- **Pure Sinewave output**
- **Double Conversion Technology**
- **High Efficiency Mode**
- **Advance Battery Management**
- **Simple and Clear LCD Indicator**
- **Overload, Surge, Short Circuit Protection**
- **Tower Type Design**
- **Free Run Mode**
- **Input Plug**
  - 1500 (5-15P)
  - 2000 (5-20P)
  - 3000 (L5-30P)
- **Output Receptacle**
  - 1500 (3) 5-15R Duplex
  - 2000 (6) 5-20R Duplex
  - 3000 (3) 5-20r Duplex & (1) L5-30R

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We manufacture power quality solutions using proven technology and the latest industry knowledge to deliver the cleanest, most reliable power available to businesses in a diverse range of markets and industries.

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