

Vanguard II Rack & Tower Long back-up model (VRTL)

Extensive critical support for your server and data center



VRT-1000/1500/2000/3000-L



VRT-6K/10K-L

Main Feature

Power Efficiency

0.9 Power Factor

A higher real power ratio satisfies higher power density and better space design.

On-Line Double Conversion Technology

High-frequency, double-conversion Technology provides quality power with real sine wave output.

Fan Speed Regulation

Automatic adjustment based on load variances gives optimal temperature control with lower noise.

Advanced Battery Management System*

Precise charging base on battery condition and temperature enables extended battery life and efficiency.

Manual Control Friendly

Multi-Language LCD

LCD supports English, Japanese, French, German, Italian, and more.

UPSMON PRO Software & App Support

Access advance features like status display, scheduled event, and setting adjustment through computer and mobile devices.

EPO

Emergency Power Off enables imminent shutdown during critical times.

DC Cold Start Function

UPS operation available without the main power base on user needs.

Compatibility

Rack & Tower Design

Highly compatible with commercial and data center server rack. Tower stands are also available.

Specialized Battery Expansion Model

Support multiple battery connections, suitable for large battery reserve and long back-up demand.

Selectable Output Voltage

User-adjustable voltage output offers flexibility to various critical equipment needs.

Frequency Stabilizing Feature

Maintain consistent 50/60Hz output with wide frequency range acceptance.

Monitoring Connectivity

USB, RS232, and SNMP port provide cable and online connection from your monitoring system.

Generator Compatible

The Generator mode can transform highly unstable input to reliable power.

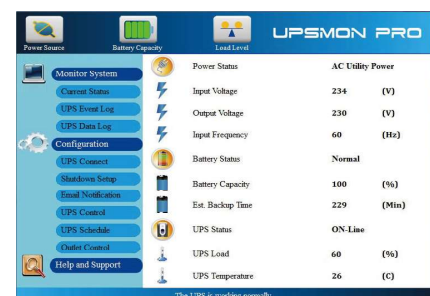
***Only available on 1-3KVA model**



Download Link



UPSMON for
portable Device



UPSMON PRO Interface

Specification

| Model | VRT-1000-L | VRT-1500-L | VRT-2000-L | VRT-3000-L | VRT-6000-L | VRT-10K-L | |
|-------------------------------|---|--|-----------------|-----------------|---|-----------------|-----------------|
| Configuration | | | | | | | |
| Capacity (VA) | 1000 VA | 1500 VA | 2000 VA | 3000 VA | 6000 VA | 10000 VA | |
| Capacity (Watts) | 900 W | 1350 W | 1800 W | 2700 W | 5400 W | 9000 W | |
| Form | Rackmount | | | | | | |
| Phase | Single Phase | | | | | | |
| Energy Saving | Yes - ECO Mode Efficiency >94% | | | | | | |
| Input | | | | | | | |
| Voltage | 220 / 230 / 240 VAC | | | | | | |
| Input Voltage Range (110 VAC) | 120 - 276 VAC, < 25% Load 140 - 276 VAC, < 50% Load 160 - 276 VAC, < 75% Load 180 - 276 VAC, < 100% Load | | | | | | |
| Input Voltage Range (220 VAC) | | | | | | | |
| Input Frequency Range | 50 / 60 Hz ± 2.5 auto sensing (45Hz to 65Hz user selectable) | | | | | | |
| Input Power Factor | >0.97 | | | | | | |
| Cold Start | Yes | | | | | | |
| Output | | | | | | | |
| Rated Power Factor | 0.9 | | | | | | |
| Waveform | Pure Sine Wave | | | | | | |
| Voltage | 220 / 230 / 240 VAC ± 2% (selectable output voltage) | | | | | | |
| Frequency | 50 / 60 Hz ±0.25 Hz | | | | | | |
| Transfer Time | 0 ms | | | | | | |
| Harmonic Distortion | < 5% of THD at non-linear load < 2.5% of THD at linear load | | | | < 5% of THD at non-linear load < 3% of THD at linear | | |
| Crest Factor | 3 : 1 | | | | | | |
| EPO Function | Yes | | | | | | |
| Protection | | | | | | | |
| Overload | Line Mode | 106% - 120% for 30 seconds 121% - 150% for 10 seconds | | | | | |
| | Battery Mode | 101% - 109% for 10 seconds 110% - 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 or protected by input fuse or circuit breaker | | | | | | |
| Overload Protection | UPS automatic power off if overload exceeds 106 ~ 120% of nominal at 30 seconds; 121 ~ 150% for 10 seconds | | | | | | |
| Tele-Communication | RJ45 x 2 | | | | | | |
| Alarm | Buzzer beeps under backup mode, battery low, battery charging fault, and overload | | | | | | |
| Charger | | | | | | | |
| UPS | 1A | | | | | | |
| UPS Build In | 5A | | | | -- | | |
| Charger Box In | -- | | | | 8A | | |
| Total | 6A | | | | 9A | | |
| Battery | | | | | | | |
| Voltage (Recommended) | 36V | 48V | 72V | | 240V | | |
| Management & Communication | | | | | | | |
| Indicator | LED & LCD Control Panel | | | | | | |
| Communication Port | RS 232, USB B type | | | | | | |
| SNMP Slot | Option | | | | | | |
| Audible Alarms | Yes | | | | | | |
| Physical | | | | | | | |
| UPS | Dimensions(WxDxH)(mm) | 428 x 425 x 84 | 428 x 500 x 84 | 428 x 635 x 84 | | 428 x 597 x 130 | 428 x 635 x 130 |
| | Weight (kgs) | 8.2 | 11 | 14.4 | 14.6 | 20 | 25 |
| | Shipping Dimensions(mm) | 546 x 552 x 206 | 550 x 620 x 220 | 550 x 750 x 220 | | 560 x 740 x 273 | 565 x 805 x 208 |
| | Shipping Weight (kgs) | 11.5 | 14.6 | 18.5 | 18.7 | 24 | 29 |
| Charger Box | Dimensions(WxDxH)(mm) | -- | -- | -- | | 428 x 597 x 130 | |
| | Weight (kgs) | -- | -- | -- | | 9 | |
| | Shipping Dimensions(mm) | -- | -- | -- | | 560 x 740 x 273 | |
| | Shipping Weight (kgs) | -- | -- | -- | | 13 | |

* While 110/208V output, capacity will be derated to 90%.

** Specifications are subject to change without further notice.

** Specifications are for reference, please refer to information based on real product.

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