

# Vanguard II Long-backup model (VGSL)

Your advance solution with long-lasting support



VGS-1000/1500/2000/3000-L



VGS-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 topology

High-frequency, double-conversion topology with real sinewave output ensures filtered and reliable power support.

#### 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; Ensure extended battery life and optimal condition.

#### Controllable Load Segment Receptacle\*

Smart power control can prioritize power distribution during regular operation and emergency.

### 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. Achieve Damage control with minimum procedures.

#### DC Cold Start Function

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

### Compatibility

#### 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

Free Run Mode allows consistent 50/60Hz output with wide frequency range acceptance.

#### Monitoring Connectivity

USB, Rs232, and SNMP port provide cable and internet connection to your monitoring system.

#### Generator Compatible

Generator Mode feature controls highly unstable power to clean power support.

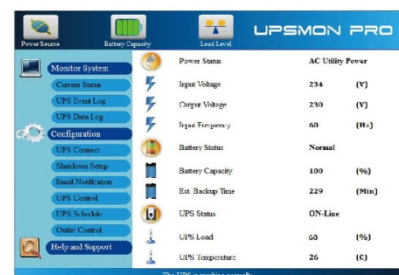
**\*Only available on 1-3KVA model**



Download Link



UPSMON for portable Device



UPSMON Interface

# On-Line UPS

## Specification

Model	VGS-1000-L	VGS-1500-L	VGS-2000-L	VGS-3000-L	VGS-6000-L	VGS-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	Tower					
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	
Connections	*Please refer below "Receptacle Options" Customized receptacle can be discussed					
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				4A	
Total	6A				5A	
Battery						
Voltage (Recommended)	36V	48V	72V	96V	240V	
Management & Communication						
Indicator	LED & LCD Control Panel					
Communication Port	RS 232, USB B type					
SNMP Slot	Option					
Audible Alarms	Yes					
Physical						
Dimensions (WxDxH) (mm)	152 x 500 x 241	428 x 500 x 84	225 x 420 x 358		257 x 590 x 570	257 x 690 x 585
Weight (kgs)	7.7	10.1	12.7	13.2	38	46
Shipping Dimensions (mm)	280 x 545 x 355	280 x 625 x 356	340 x 526 x 485		415 x 760 x 80	408 x 860 x 800
Shipping Weight (kgs)	9.8	12	15.5	16.3	58	61.6

\* While 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.