

# Vanguard 2000/3000



VGD-2KVA & 3KVA-LCD

Front View | Back View

Multi Functional LCD On-Line UPS.

15 LCD Display:

Easy viewing of UPS status from LCD panel including:

O/P Voltage	O/P Load (%)	Battery Charge (%)
O/P Frequency	O/P Watt (W)	Temperature (°C)
I/P Voltage	O/P VA	Battery Pack Number
I/P Frequency	O/P Current (A)	Rating (A)
Battery Voltage	Back Up Time (Min.)	CPU Version

14 UPS parameter settings:

O/P Voltage Set	Manual Bypass	Site Failure Set
I/P Frequency Set	Outlet Segment Set	Language Selection
I/P Bypass Set	Battery Test	Generator Opti
Free Run Set	Silence Mode Set	RS232 Control
High Efficiency Mode	Battery Cabinet Set	

Unique Design :

- Vanguard rack mount models come in different heights such as 1U, 2U, or 3U to meet different space demands.
- Vanguard rack mount now is available from 700VA up to 10KVA
- Vanguard 3U rack mount model is designed to be flexible and able to fit in different spaces.
- The control panel can be adjusted 90 degree around to accommodate the UPS installation direction (vertically or horizontally)
- Remote control panel feature is designed for easy control of the UPS which is placed in the unreachable area.

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# FEATURES:

- Cold start function (DC power on)
- Lightning and surge protection
- Battery replacement warning
- Emergency Power Off function
- Battery remain time display
- LCD display front panel
- Power factor correction
- Support USB communication
- Multiple language LCD display
- On line output voltage selected
- Hot swappable battery by user \*
- True on-line technology provides all power protection
- Pure sine-wave output with less than 3% THD
- Fully digitized microprocessor controlled
- Short Circuit and overload protection
- Advanced battery management (ABM)
- Automatic battery charge in UPS off mode
- Automatic diagnostics & battery check
- RS-232 communication port with monitoring software
- Network/fax/modem surge protection
- UPSMON plus software monitoring
- Extended back up time with battery pack
- Load segmentation receptacles controllable \*
- High efficiency mode selectable
- Fan speed auto control when loads varies

\* means function available only for model VGD-700-3000

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Tower Model (With LCD Display)		VGD-2000	VGD-3000			
INPUT	Capacity (VA)	2000VA	3000VA			
	Capacity (W)	1400W	2100W			
	Voltage		100V/110V/115V/120V/127V		208V/220V/230V/240V	
			Voltage/Range	Load Capacity	Voltage/Range	Load Capacity
			60 ~ 69V	0 ~ 40%	120 ~ 139V	0 ~ 40%
			70 ~ 79V	0 ~ 70%	140 ~ 159V	0 ~ 70%
		80 ~ 144V	0 ~ 100%	160 ~ 276V	0 ~ 100%	
Frequency	50 / 60 Hz Auto Sensing					
OUTPUT	Voltage (on battery)	100V, 110V, 120V, 127V or 208V, 220V, 230V, 240V +/-2% (Selectable Output Voltage)				
	Frequency (on battery)	50 / 60 Hz +/-0.5%				
	Transfer Time	0 ms				
	Overload Recovery	Auto transfer to UPS				
	High Efficiency Mode (AC to AC)	> 95 %				
	Line Mode	> 86%				
	UPS Green Mode	Energy saving function (No Load Shutdown)				

	UPS Design Technology	On-Line / Fully digitized microprocessor controlled		
	Output Wave Form	Sinewave		
	Harmonic Distortion	< 3% of T.H.D. at linear load		
	Crest Factor	3 : 1		
PROTECTION & FILTERING	Surge Protection	120V (IEEE C62.41) / 230V (IEEEC61000-4-5 level 3)		
	Overload Protection	125% for 1 minute and 150% for 10 seconds		
	Short Circuit	UPS output cut off immediately or input fuse protection		
SYSTEM DISPLAY / WARNING	Visual Display (LED Model)	UPS on(green), line-mode(green), battery mode(yellow), bypass(yellow), fault(red)		
	Visual Display (LCD Model)	Input / output voltage, input / output frequency, on-line mode, back up mode, battery capacity, load level		
	Audible Alarm (Battery Back-Up)	Beep every 5 sec		
	UPS Fault	Continuous beeping sound and LCD display		
	Communication	RS-232 Serial Port and USB		
BATTERY	Type	Sealed, maintenance-free lead acid batteries		
	DC Voltage (V) Battery (Tower)	72V / 12V7AH x 6	72V / 12V9AH x 6	
	DC Voltage (V) Battery (1U)	None		
	DC Voltage (V) Battery (2U)	72V / 12V7.2AH x 6	72V / 12V9AH x 6	
	Typical Recharge Time to 90% Full	3 hours		
	Management	Self-test, adjustable battery transfer points and alarm settings		
	Battery Protection	Cut off without draining any current when battery is low		
	Cold Start (DC Start)	YES		
	Back Up Time (Tower Model)	Full load = 6 mins	Full load = 4 mins	
		Half load = 15 mins	Half load = 10 mins	
	Back Up Time 19" Rack mount (Full Load)	6 mins	4 mins	
		Back Up Time 19" Rack mount (Half Load)	15 mins	10 mins
PHYSICAL	Input Inlet	NEMA 5-15P ~ 5-30P (120V) / IEC 320 (230V)		
	Receptacles	NEMA 5-15 (120V) / IEC 320 (230V)		
	Total Receptacles (UPS+Surge / Surge Only)	12 (120V), 8 (230V)		
	Tower Dimensions Inches mm (inch) W x D x H	225 x 425 x 360 (8.9" x 16.7" x 14.2")		
	Net Weight kg (lb) Tower model	31.6 (68.4)	32.5 (71.5)	

	Shipping Weight kg (lb) Tower Model	33.6 (73.9)	35.5 (78.1)
ENVIRONMENT	Operating Temperature	0 - 40 deg C / 32 ~ 104 deg F	
	Storage Temperature	-20 ~ 50 deg C / -4 ~ 122 deg F	
	Altitude	3,500 meters max	
	Audible Noise (1 meter from surface)	< 50 dBA	< 50 dBA
	Relative Humidity	0 ~ 95% humidity, non-condensing	
CONFORMANCE	Safety	UL 1778(120V), CE LVD (230V)	
	EMC (EMS / EMI)	IEC 61000-4, FCC Part 15(120V), CISPR 22 (230V)	
	Warranty policy	Warranty policy may vary depends on region	