

# VEGA



## LCD Display Panel



Rack display



Tower display

### • Pure sine wave output

With pure sine wave output, Vega series guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications.

### • User-friendly and easy-shift LCD display

The front panel digital display can be easily shifted by pressing shift button to suit the installation format, vertically stand or flatly wall mount.



### • Rack/Tower design

Vega series is designed in true 2U universal-mount case. It can be easily installed as floor-standing tower or in 19-inch rackmount bracket.



Floor-standing Tower



19" rack-mounting

### • Microprocessor-based line interactive design

Vega UPS is designed with microprocessor controller for fast response to power disturbances.

### • Built-in boost and buck AVR

With built-in voltage regulator, the UPS will maintain regulated nominal output without using battery power during brownouts and overvoltages from 162-290V.

### • Long-run models available

To provide longer backup time, we also offer long-run model for Vega series.

### • Output power factor 0.8

Vega is a high-density UPS with output power factor 0.8 to provide higher performance and efficiency to critical applications.

### • Programmable power management outlets

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.



Programmable Outlets (P1)  
- connect to non-critical devices

### • ECO mode operation for energy saving (ECO)

The ECO mode function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems.

### • Emergency Power Off Function (EPO)

This feature can secure the personnel and equipment in case of fires or other emergencies.

### • Hot-swappable battery design

This design ensures clean and uninterrupted power to protected equipment during battery replacement.

### • Multiple communication available

- USB port
- RS-232 port
- SNMP slot (option)

We also offer free monitoring software, ViewPower, downloaded from the internet. This advanced and networking software supports various operating systems and multiple languages.

**VEGA****Pure Sine Wave****800/1.1/1.5K/2K/2.5/2.5K/3K**

MODEL	Vega 800		Vega 1.1K		Vega 1.5K		Vega 2K		Vega 2.5K		Vega 3K	
CAPACITY	800 VA / 640 W		1100 VA / 880 W		1500 VA / 1200 W		2000 VA / 1600 W		2500 VA / 2000 W		3000 VA / 2400 W	
<b>INPUT</b>												
Voltage	110/120 VAC or 220/230/240 VAC											
Acceptable Voltage Range	81-145 VAC or 162-290 VAC											
Frequency Range	60/50 Hz (auto sensing)											
<b>OUTPUT</b>												
Voltage Regulation (Batt. Mode)	± 5 % (before battery alarm)											
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 1 Hz											
Current Crest Ratio	3:1											
Harmonic Distortion	8% max @ 100% linear load, 15% max @ 100% non-linear load (before alarm)											
Transfer Time	Typical 2-6 ms, 10ms max.											
Waveform (Batt. Mode)	Pure Sine Wave											
<b>EFFICIENCY</b>												
AC Mode	98%		98%		98%		98%		98%		98%	
Buck & Boost Mode	90%		90%		90%		90%		90%		90%	
Battery Mode	83%		85%		85%		85%		85%		87%	
<b>BATTERY</b>												
Standard Model	Type & Number	12 V/7 Ah x 2	12 V/9 Ah x 2	12 V/7 Ah x 4	12 V/9 Ah x 4	12 V/7 Ah x 6	12 V/9 Ah x 6					
	Charging Voltage	27.4 VDC ± 1%			54.8 VDC ± 1%			82.1 VDC ± 1%				
	Typical Recharge Time	4 hours recover to 90% capacity										
Long-run Model	Charging Current (max.)	N/A	4 A (typical) @nominal Voltage	N/A	4 A (typical) @nominal Voltage	N/A	4 A (typical) @nominal Voltage					
	Charging Voltage	27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%						
<b>PROTECTION</b>												
Full Protection	Overload, discharge, and overcharge protection											
<b>INDICATORS</b>												
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery											
<b>ALARM</b>												
Battery Mode	Sounding every 10 seconds											
Low Battery	Sounding every second											
Overload	Sounding every 0.5 second											
Battery Replacement Alarm	Sounding every 2 seconds											
Fault	Continuously sounding											
<b>PHYSICAL</b>												
Standard Model	Dimension, DxWxH (mm)	360 x 438 x 88			480 x 438 x 88			600 x 438 x 88				
	Net Weight (kgs)	14.8	15.8	23	25	32	35					
Long-run Model	Dimension, DxWxH (mm)	N/A	360 x 438 x 88	N/A	480 x 438 x 88	N/A	600 x 438 x 88					
	Net Weight (kgs)	10.8		14		18						
<b>ENVIRONMENT</b>												
Humidity	0-90 % RH @ 0- 40°C (non-condensing)											
Noise Level	Less than 45dB											
<b>MANAGEMENT</b>												
Smart RS-232/USB	Supports Windows 98/2000/2003/XP/Vista/2008, Windows 7, Linux and MAC											
Optional SNMP	Power management from SNMP manager and web browser											