

เครื่องสำรองไฟฟ้าแบบ TRUE ON-LINE

VENUS SMART DSP TRUE ON-LINE DOUBLE CONVERSION UPS

VENUS PRO-KR 1050-3000VA

DSP TRUE ON-LINE DOUBLE CONVERSION UPS

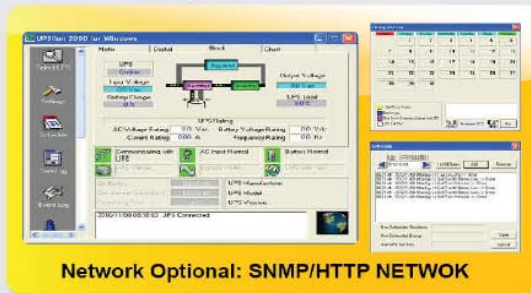


Features

- True On-line Double Conversion UPS
- Advance DSP digital Control Technology
- Power Factor Correction (PFC) design PF >0.99
- Wide range of Input and Frequency
- Output Power Factor 0.7
- Zero transfer time
- Output Voltage 220V $\pm 1\%$
- True Sine Wave Output with less than 3% THD
- Self-diagnosis at UPS start-up
- Advanced Battery Management (ABM)
- AC/DC Start
- Lightning and Surge Protection
- Short Circuit and Overload Protection
- External Battery Bank(Optional)
- LCD Display
- EMI/RFI Noise filter
- RS232/RS485/USB Communication with UPSilon monitoring
- Network SNMP/HTTP (Optional)
- TIS 1291-2545/CE IEC62040
- ISO 9001 certified factory

UPSilon 2000

UPS Monitoring & Automatic Shutdown



Network Optional: SNMP/HTTP NETWORK

Online High Frequency Design

Adopting the design of smart-wide of high frequency online, It blocking abnormal power to the load impact effectively, and ensuring the stability and reliable of output power, to make the load running safely.

Advance DSP Control Technology

The advance DSP digital control technology enable UPS more stable performance and with better quality.

Active Input Power Factor Correction(PFC)

Digitalized control of the PFC enable the UPS to keep the Input power factor above 0.99 to prevent possible electric grid pollution and meanwhile mostly save the cost.

Wide Input and Frequency Range

We intentionally widen the range of input factors to make sure the UPS can apply to various environment, which will Effectively sustain the battery charging even in unstable power environment so that the service life of the UPS could be obviously prolonged.

Adaptive Load Management

This technology allows the UPS to be set up at a fixed 50Hz or 60Hz output while it also can intelligently monitor power usage and automatically sheds and reconnects loads in order to prevent generator overload.

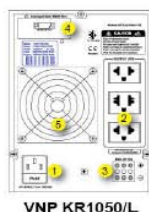
Support the Generator

The wide range of input voltage and frequency can effectively separate the harmful electric wave produces the generators and provide safe and reliable power supply.

LED/LCD DISPLAY SHOWS REAL-TIME STATUS



1. LCD Display
2. Line LED
3. Inverter LED
4. Bypass LED
5. Fault LED
6. ON Switch
7. OFF Switch
8. Select Switch



1. Input
2. Output Plug
3. Battery Connection
4. RS232 Port
5. Fan

VNP KR1050/L



1. Input Terminal
2. Output Plug/Terminal
3. Power Breaker
4. Battery Breaker
5. Battery Connection
6. RS232 Port

VNP KR2000-30000/L



VENUS PRO-KR



DSP True On-Line Double Conversion UPS

Model		KR1050	KR1050L	KR2000	KR2000L	KR3000	KR3000L
Power Rating PF= 0.7 VA		1050VA		2000VA		3000VA	
	W	735W		1400W		2100W	
Control Technology		DSP Control High Frequency and Dual Conversion On-line With IGBT Advance Power Factor Correction (PFC) Technology					
INPUT							
Phase		Single Phase					
Voltage Range		Half load: 120-290Vac, Full load: 160-290Vac					
Frequency		45-55 Hz					
Input Power factor		≥ 0.99					
OUTPUT							
Phase		Single Phase					
Voltage		220V±1%					
Frequency		50Hz ±0.1%					
Efficiency		>85%					
Total Harmonic Distortion		Sine wave, <3% (Linear Load) , <5% (Non-Linear Load)					
Transfer Time		Zero Transfer					
Overload Capability		105-130% Load: for 60 Seconds, 135-150% Load for 30 Seconds,>150% Load will Automatic Bypass					
Crest Factor		4:1					
PROTECTION							
Battery Protection		Low battery alarm, Low battery shutdown					
Output Short Circuit		Automatically Shutdown					
Overload		Beep once every second					
Fault		Continuously beep					
Over Temperature		Alarm and cut off					
Noise Filter		EMI / RFI , full time suppression <-45 dB					
Outlet		3pcs x National		4pcs x National			
BATTERY							
Type		Sealed lead acid maintenance free					
Battery Voltage		36Vdc		96Vdc			
Charging Time		90% capacity after 5 hrs.					
Back up Time		KR:10-30 min depends on load/ KR-L: Specified by customer					
INDICATOR							
LED Display		Line, Inerter, Battery and Fault					
LCD Display		Input, Output, Frequency, Battery, Load , Overload, UPS Status and Fault					
Audible Alarm		Input Failure, Overload, Low Battery, Over-temp, UPS malfunction and Fault					
COMMUNICATION INTERFACE							
Intelligent Port		RS232/ USB and SNMP Optional					
STANDARD							
Safety		EN62040-1-1, EN50091-1					
EMC		TIS. 1291-2545, EN62040-2 , EN50091-2, EN61000-2-2, EN61000-3-2/-3, EN61000-4-2/-3/-4/-5					
ENVIRONMENT							
Temperature		0-40 °C					
Humidity		0-95 % (non-condensing)					
Audible Noise		≤45dB (at 1meter)					
PHYSICAL							
Dimension (WxDxH) mm		115x400x225		198x490x347			
Weight (kg)		13.5	6.5	29.5	13.5	29.5	13.5

* All specification are subject to change without prior notice.

EW-Venus-Pro KR1-3K BRC Rev.2.00/2011