CHUPHOTIC
ชูโฟทิค ยูพีเอส

CHUPHOTIC VENUS UPS

Performance Power Solutions

Venus Ultimate Plus VNU 1-10KP

DSP True Online Double Conversion UPS
Rack and Tower Convertible

CHUPHOTIC UPS in Power 500VA to 1000KVA is also widely used to protect electronic equipments such as Computer, Data Center, Networks, CCTV, Telecom, Metro, Medical, Scientific equipment & Industrial. Power Quality Protection in Over-Under Voltage, Blackout, Browout, Surge, Spike, Harmonic, Noise & Frequency Drift.

มอก.1291
เล่ม 1-2553
เล่ม 2-2553
เล่ม 3-2555

IEC/EN62040-1:LVD
IEC/EN62040-2:EMC
IEC/EN62040-3:UPS

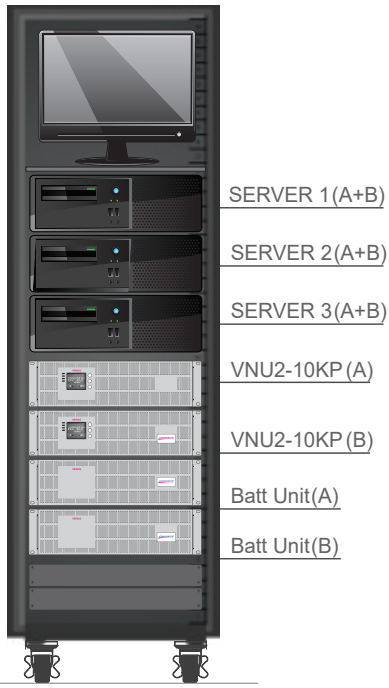
RoHS Compliant

2 YEAR WARRANTY

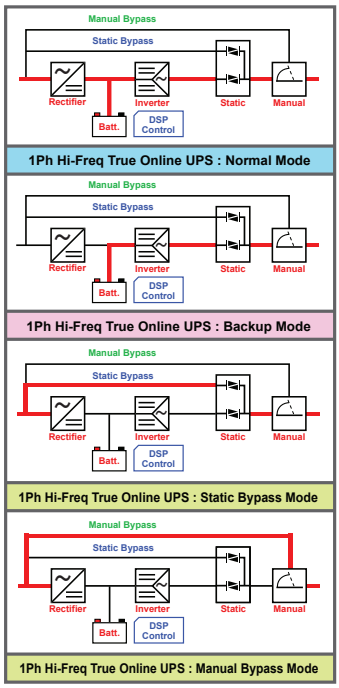
www.chuphotic.com

Features

- True Online Double Conversion Pure Sine Wave UPS
- Advanced DSP digital control technology
- 3 Level IGBT Inverter Technology
- High Input Power Factor Correction (PFC>0.99)
- Rackmount 19” 2U, 3U for UPS, Battery Unit
- Output Pure Sine Wave less than 3%(THDv)
- Output Voltage 220Vac +/-1% (200, 208, 220, 230, 240V)
- High Inverter Efficiency(approx.≥92%)
- Self Diagnosis at UPS Start up / Manual Self Test
- Advanced Battery Management (ABM)
- Battery Capacity & Remaining Backup Time
- EMI/RFI and Power Line Noise protection
- AC/DC Cold Start Function
- Surge, Lightning, Spike, Blackout, Brownout
- Overload and Short Circuit Protection
- USB Port with UPSilon 2000 Monitoring
- External Battery Unit (Option: Battery Charger 3.5A)
- SNMP/HTTP Internet Network / AS400 (Option)
- Parallel Redundancy N+X 5-10kVA (Option)
- Maintenance Bypass Switch 5-10kVA
- EPO : Emergency Power Off / ECO : Economy (option)
- Output Isolation Transformer (option)
- Compatible with Generator
- TIS1291 Part1-2553, Part2-2553, Part3-2555 : C1
- CE : IEC / EN62040-1,-2,-3 IEC / EN55022, IEC61000
- ISO9001 / ISO14001 : 2015 Certificate MFG

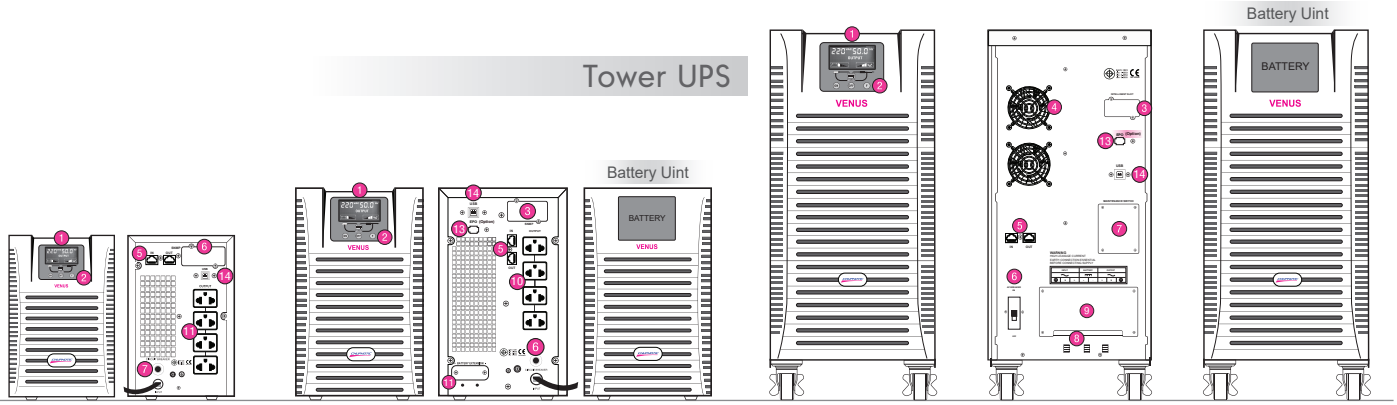


Mini Data Center



UPS Function & UPS Mode

Tower UPS

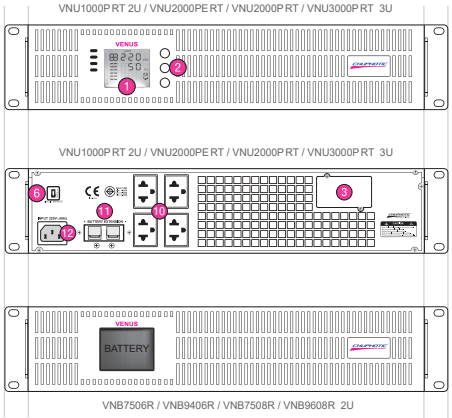


VNU1000P | VNU2000PE / VNU2000P / VNU3000P | VNB7516 VNB9416 VNB9616 | VNU5-10KP | VNU5-10KP | VNB7516 / VNB7520 VNB7532 / VNB9632 VNB7540 / VNB9640 VNB7560 / VNB9660

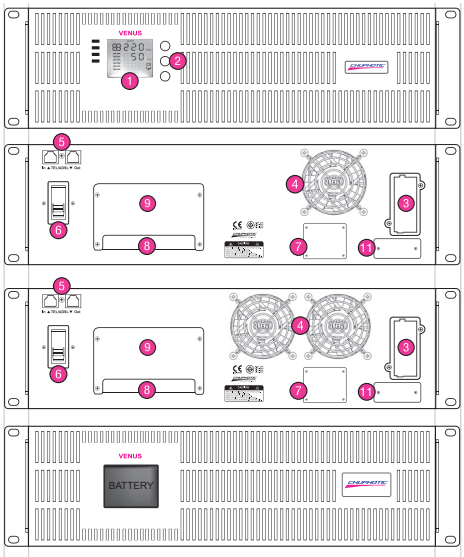
1. LCD Panel (Auto Turn)
2. Function Switch : LED Mimic
3. SNMP Card Slot
4. Fan
5. RJ45 Tel / ADSL SPD
6. AC Input Breaker
7. Maintenance Bypass Switch
8. Input/Output Terminal
9. Terminal Cover
10. Outlet 4 National
11. Battery Extension Anderson
12. Inlet IEC320 C14
13. EPO : Emergency Power off (Option)
14. USB Port + UPSilon2000

Rackmount UPS

Rack & Tower UPS



VNB7506R / VNB9406R / VNB7508R / VNB9608R 2U



VNU 5-10KPRT 3U

VNU 5KPRT 3U

VNU 10KPRT 3U

VNB7516R 3U
VNB9416R 3U
VNB9616R 3U
VNB7520R 3U
VNB9420R 3U
VNB9620R 3U

VENUS ULTIMATE PLUS

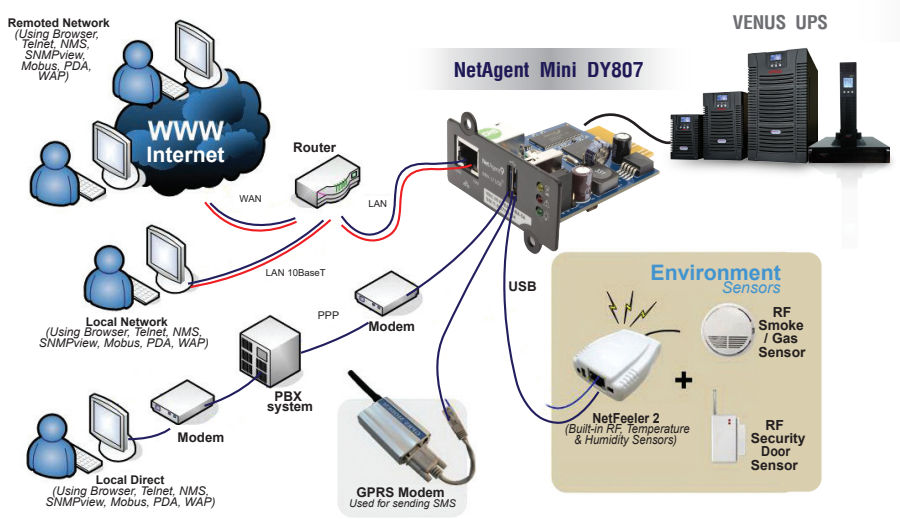
DSP True Online Double Conversion UPS

SPECIFICATION

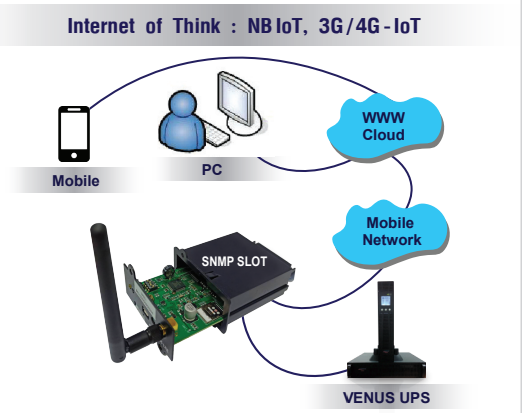
Model	Tower UPS	VNU1000P	VNU2000PE	VNU2000P	VNU3000P	VNU5KP	VNU6KP	VNU10KP
	Rackmount UPS	VNU1000P RT	VNU2000PE RT	VNU2000P RT	VNU3000P RT	VNU5KP RT	VNU6KP RT	VNU10KP RT
CAPACITY	For Computer Load (VA / W)	1000/900	2000V/1800	2000V/1800	3000/2700	5000/4500	6000/5400	10000/8000
SYSTEM	Controller	Intelligent UPS with DSP control 3 level IGBT Technology						
	Technology	High Frequency Double Conversion Pure Sine Wave UPS, Power Factor Correction (PFC) with IGBT Technology						
INPUT	Voltage	220Vac : 200 / 208 / 220 / 230 / 240Vac Single Phase						
	Voltage Range	120-290Vac at Half Load, 160-290Vac at Full Load						
	Frequency	50/60 Hz ±6% (Auto Detect) at Nominal voltage (±10% Option)						
	Power Factor	PF >0.99 at Full Load, at THDi <5%						
OUTPUT	Voltage	220Vac ±1% / (200, 208, 220, 230, 240 selecting on LCD panel and software)						
	Phase	Single Phase L-N+PE						
	Frequency	Normally locked to line frequency, Free Running 50Hz ±0.1% / (60 Hz selecting on LCD panel and software)						
	Wave Form	Pure Sine Wave						
	Harmonic Distortion	THDv <3% at Linear Load / THDv <5% at Non Linear Load						
	Transient Condition	±5% for 100% Instantaneous Load Variation (Step Load)						
	Overload Capability	120% for 60sec, 150% for 30 sec, >150% for 300ms, then Automatic Switch to Bypass				120% for 60sec, 150% for 30 sec, >150% for 1sec, then Automatic Switch to Bypass		
	Crest Factor	3 : 1						
	Protection	Under / Over voltage, Overload, Shot Circuit, Over Temperature and Low Battery Shutdown						
EFFICIENCY	DC to AC	Approximate ≥ 90%				Approximate ≥ 92%		
	AC to AC	≥ 90% at Full Linear Load				≥ 92% at Full Linear Load		
BATTERY	Type	SLA : Sealed Lead Acid (Maintenance-free) Rechargeable Battery (High Rate / UL 94-V0 option)						
	Capacity	3x12V 7.5Ah	6x12V 7.5Ah	8x12V 7.5Ah		20x12V 7.5Ah		20x12V 9.4Ah
	Voltage	36Vdc	72Vdc	96Vdc		240Vdc		
	Standard Backup Time	Full Load 5 min, 15-30 min (Depend on Load)						
	Extend Backup Time	15-120 min Depend on Battery Unit Cap.						
	Recharge Time	3-6 hours to 90% after Load Backup						
	Charger Current (A)	Standard 1.5A / Long Backup 3.5A (option)				Standard 1.5A / Long Backup 3.5A (option)		
TRANSFER TIME	Main to Battery Mode Battery Mode to Main	Zero Transfer Time with Static Transfer Switch (ATS-SCR)						
INDICATOR	Front Panel LED	Line, Inverter, Bypass and Battery (Mimic)						
	Front Panel LCD	Operate UPS Status, Input Voltage, Output Voltage, Frequency, Bypass, Battery Voltage, % Battery, Remaining Backup Time, % Load, VA, Watt, Temperature, Fan and UPS Fault						
PROTECTION	EMI / RFI Attenuation	>40 dB						
	Surge Protection	Indoor: UL1449 Cat A, B / IEC 61643 LPZ3, 2 In 3kA at 8/20 µsec						
	Surge Energy Dissipation	SPD 300Vac : 220 Joules in 2msec at Power 30kW Imax 6kA						
AUDIBLE ALARM	Multiple Tones with Reset for Silence	Mains Failure, Low Battery, Overload and UPS Fault						
INLET	Tower UPS	Power cord 1.5 meter NEMA 5-15P				Terminal		
	Rackmount UPS	Power cord 1.5 meter NEMA 5-15P - IEC 320 C13				Terminal		
OUTLET	Tower UPS	4 x National	4 x National + Terminal			Terminal		
	Rackmount UPS	4 x National (IEC320-C13 option)				Terminal		
COMUNICATION INTERFACE	USB Port	USB port to PC, Workstation or Servers for UPS Monitor & automatic unattended shutdown						
	Software	UPSilon2000 supported for windows 95, 98, NT, 2000, Me, XP, Novell Netware, Linux, FreeBSD (IBM, Sun, Solaris option)						
	SNMP / HTTP	Option : SNMP Card / AS400 Dry Contact / RS485 / NB IoT, 3G/4G-IoT						
ACOUSTIC NOISE	At 1 meter	<45 dBA				<50 dBA		
ENVIRONMENT	Temperature	0-40°C						
	Humidity	RH 0-95% (Non-Condensing)						
DIMENSIONS (WxDxH) mm	Tower UPS / Long Backup	145x350x230	190x425x330			260x560x720		
	Rackmount UPS	483x450x88-2U		483x665x132-3U		483x665x132-3U (UPS & BU)		
	Battery Unit Extension (option)	Separate (UPS and Battery Unit Extension)						
WEIGHT (approximate in Kg.)	Tower UPS	13	23	28	29	55	65	
	Rackmount UPS + Battery Unit	14	25	30	32	20+45	22+55	
	Battery Unit Rack (option)	Depending on Battery Capacity						
CONFORMANCE	Design Regulation	TIS.1291 Part1-2553 : Safety, TIS.1291 Part2-2553 : EMC, TIS.1291 Part3-2555 : Performance Cat. C1 CE : IEC / EN62040-1, IEC / EN 62040-2, IEC / EN 62040-3, IEC / EN 50091-1,-2, IEC / EN 55022, IEC / EN 61000						

*R = Rack Mount UPS
*Long backup Please call chuphotic
*All above specification may be change without prior notice.

Communication and Power Management Solutions



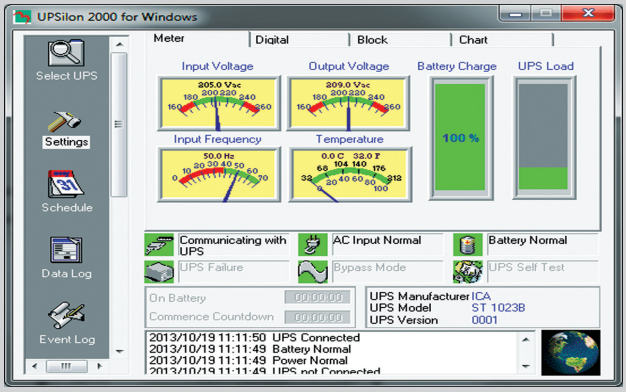
Advanced, multi-platform communication, for all operating systems and network environments



- *Mobile Network for Uninfrastructure Area*
- *EASY to install standalone UPS*
- *Support Mobile : NB IoT, 3G/4G-IoT*
- *Low cost Service & Monitoring*
- *Monitoring in AC Input / Output, Battery, Temp.*
- *Event log / Data log in Days, Weeks, Months, Years*

ADVANCED COMMUNICATION

- Comprehensive UPS management with flexible configuration via Web Browser, NMS, Telnet or SNMP.
- Support Advance Encryption: HTTPS, SSL, SSH, SNMPv3
- Centralized Authentication by Radius
- Event notification via E-mail, SMS or Trap
- Support NetFeeler II (Environment Monitoring) with Temperature, Humidity, Water presence, Smoke and Door sensors
- Support USB Wifi 802.11b/g, USB flash disk / external USB HDD, compatible USB camera & more
- Support UPS MIB, RFC1628, PPC MIB
- Support GPRS modem
- Multi-language user interface
- Real-time UPS Monitoring
- Schedule periodic UPS self-test
- Record Event log / Data log
- Can also provide shut-down software for: IBM AIX; Free BSD; BSDI UNIX; BSD / OS; SCO Unixware; SCO Openserver; Sun Solaris; Compaq True64; HP UNIX; HP OpenVMS; HP Openview; SGI Irix MIPS; NCR UNIX
- Battery test log

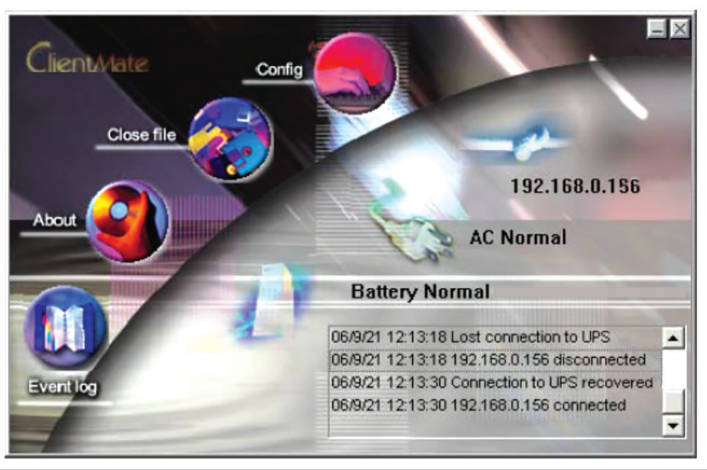


UPSilon 2000 UPS Monitoring software

USB Port For Microsoft Windows 2000 / Microsoft Windows Me / Microsoft Windows XP / Vista, Microsoft Windows 8, Microsoft Windows 2010
Plat form : Novell NetWare, Linux, FreeBSD

Applications;

- Auto sending warning messages by e-mail.
- Auto detecting AC power failure and UPS battery low.
- Providing the UPS expected time setting of power supply.
- History data recording.
- Auto shutting down the system and turning off the UPS when AC power failed.
- Broadcasting the warning messages to all the workstations.
- Display the system shutdown countdown.
- Able to operate on server and workstation.
- Schedule on / off in a week
- Programmable UPS auto-testing period.
- UPS status reporting on server screen, including the input / output voltage, load, line frequency, temperature and so on.
- Local Network UPS monitoring through an Net Agent or SNMP Agent.



AS-400 Card (Dry Contact)

The AS400 communication card provides contact closures for remote monitoring your UPS. To meet different application requirement, the AS400 card is capable of selection the status of the dry-contact signal (active close or active open) by setting jumper. This suitable applications are listed below:

- IBM Server, Personal PC & Workstations equipments
- Auto-controlled industrial equipment & communication applications

Internet of Think : NB IoT, 3G/4G-IoT (Mobile Network)

- Mobile Network for LAN-Uninfrastructure Area
- Easy to Install Standalone UPS or Independent Network
- Economic Low cost Service & Monitoring
- Mobile Network & Data log Cloud for Computer & mobile
- Monitoring in AC Input/Output, Battery, Temperature
- Event log / Data log in Days, Weeks, Months, Years

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