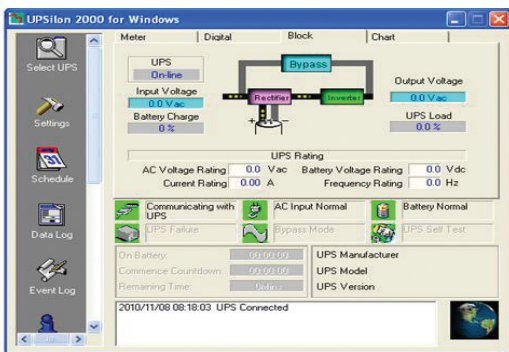**CHUPHOTIC**
ชูโฟทิค ยูพีเอส

VENUS KR Rack Mount
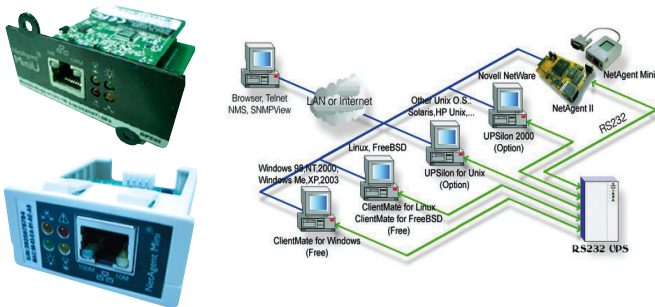## 1-10kVA

DSP TRUE ONLINE DOUBLE CONVERSION UPS

Features

- True on-line Double Conversion UPS
- Advance digital DSP control and IGBT technology
- High input power factor control(PFC)
- Pure sine wave output less than 3%THD
- High inverter efficiency(approx.≥90%)
- Wide input voltage range
- Zero transfer time
- Output Power Factor 0.9
- Output voltage 220V ±1%
- Self-diagnosis at UPS start-up
- Advanced battery management (ABM)
- Surge, spike, blackout, brownout, overload and short circuit protection
- Economy mode(ECO) 5-10kVA
- Optional external battery bank
- Manual bypass switch(option)
- EMI/RFI and power line noise protection
- RS232/RS485/USB Communication with UPSilon2000 monitoring
- SNMP/HTTP / Dry Contact monitor capability(option)
- TIS.1291 Part1-2553, Part2-2553, Part3-2555 : C1
- CE : EN62040-1, -2, -3, EN55022, EN61000
- QMS : ISO9001, ISO14001 Certified Factory

UPSilon 2000 UPS monitoring software

SNMP/HTTP monitor capability (option)

Chuphotic UPS have range from 500VA to 1000KVA is also widely used to protect electronic equipments such as computer , server, networks, PABX, CCTV, telecommunications, medical, scientific equipment and industrial, etc. from blackout, brownout, surge, spike, harmonic, noise and frequency drift.

VENUS KR Rack Mount
1-10kVA

SPECIFICATIONS

Model		KR1000R	KR2000R	KR3000R	KR5000R	KR6000R	KR1110R
	Rack mount (Standard UPS)	KR1000R	KR2000R	KR3000R	KR5000R	KR6000R	KR1110R
	Rack mount (Long backup UPS)	KR1000RL	KR2000RL	KR3000RL	KR5000RL	KR6000RL	KR1110RL
CAPACITY	For computer load	1000VA/900W	2000VA/1800W	3000VA/2700W	5000VA/4500W	6000VA/5400W	10000VA/8000W
SYSTEM	Controller	Intelligent UPS with DSP control					
	Technology	High Frequency Double Conversion, Power Factor control(PFC) with IGBT Technology					
INPUT	Voltage	100/220 Vac Single phase nominal voltage			220 Vac Single phase nominal voltage		
	Voltage range	100Vac:-20% to +35% , 220Vac: -45% to +35%			220Vac: -45% to +25%		
	Frequency	50/60 Hz ±6% (auto detect) at nominal voltage (±10% option)					
	Power factor	>0.99 at full load(THDi<5%)					
OUTPUT	Voltage	220V ±1%					
	Phase	Single phase					
	Frequency	Normally locked to line frequency, Free running 50Hz ±0.1% (Crystal control)					
	Wave form	Pure sine wave					
	Harmonic distortion	<3% at full load(100% linear load), <5% at full load(100% non linear load)					
	Transient condition	±5% for 100% instantaneous load variation					
	Overload capability	130% for 60 sec., 150% for 30 sec., >150% for 300ms, automatic transfer to bypass			125% for 10min., 150% for 1 min., >150% for 1sec., automatic transfer to bypass		
	Crest factor	3 : 1					
	Protection	Overload, Overvoltage, Under voltage, Shot circuit, Over temperature and Battery low voltage shutdown					
EFFICIENCY	DC to AC	Approximate ≥ 85%			Approximate ≥ 90%		
	AC to AC	Approximate ≥ 87%			Approximate ≥ 90%		
BATTERY	Type	Seal Lead Acid (maintenance-free) Rechargeable					
	Capacity	3×12V 9.4 Ah	6×12V 9.6Ah	8×12V 9.6Ah	16×12V 9.4 Ah		
	Voltage	36Vdc	72Vdc	96Vdc	192Vdc		
	Standard backup time	15-30 min. (depend on computer load)					
	Extend backup time	Option					
	Recharge time	6-8 hours to 90% after load discharged					
	Charger Current(A)	Standard/Long back up: 1/4			Standard/Long back up: 1/3		
	Battery temperature compensation for recharge	Option					
TRANSFER TIME	Main fail or Recover UPS to by pass and vice versa	Zero time (True On-line UPS)					
INDICATOR	Front panel LED	Line, Inverter, Bypass, Battery, L-N input warning and Fault					
	Front panel LCD	Input voltage, Output voltage, Frequency, Battery voltage, % load, Temperature and UPS status					
PROTECTION	EMI/RFI attenuation	>40 dB					
	Surge protection	UL recognized surge protection to std.1449					
	Surge energy dissipation	220 Joules (510 Joules option)(2 microsec wave form)					
AUDIBLE ALARM	Multiple tones with reset for silence	Mains Failure, Low battery, Overload and UPS fault					
INPUT PLUG	Power cord 1.5 meter	NEMA 5-15P (IEC 320, GS option)			Terminal		
OUTPUT OUTLET	Rack mount	4xNational (Terminal option)			Terminal		
COMMUNICATION INTERFACE	DB-9 connector	RS-232 serial port can be connected to PC, workstation or servers for automatic unattended shutdown./ USB port and EPO(Option)					
	Software	UPSilon2000 supported for windows 95, 98, NT, 2000, Me, XP, Novell Netware Linux, FreeBSD (IBM, Sun, Solaris option)					
	SNMP/HTTP capability.	Option					
ACOUSTIC NOISE	At 1 meter	< 45 dBA			< 50 dBA		
ENVIRONMENT	Temperature	0-40°C					
	Humidity	0-95 % (Non-Condensing)					
DIMENSIONS (W×H×D) mm.	Standard UPS Rack 19 inch	440×88×500 (2U)	440 × 88 × 500 (2U)		440 × 140 × 500 (3U)		
	Long backup UPS Rack 19 inch	440×88×500 (2U)	440 × 88 × 500 (2U)		440 × 140 × 500 (3U)		
	Battery Unit for UPS	-	440 × 88 × 500 (2U)		440 × 140 × 500 (3U)		
WEIGHT (approximate in Kg.)	Standard UPS	14 (Included battery)	10	11	18		19
	Long backup UPS	7	12	13	18		19
	Battery Unit for UPS	-	17	28	48		
CONFORMANCE	Design regulation	TIS.1291 Part1-2553, Part2-2553, Part3-2555 : C1 / CE : EN62040-1, -2, -3, EN55022, EN61000					

All above specification may be change without prior notice.

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