

VENUS KR Plus RM Li

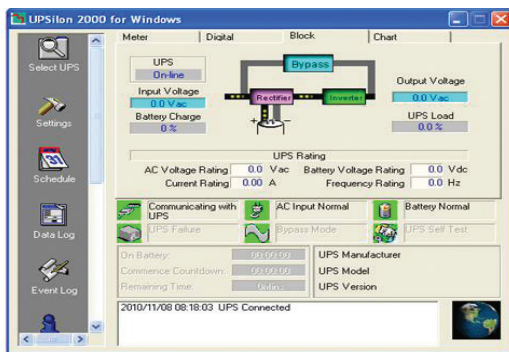
2-3kVA Lithium Battery



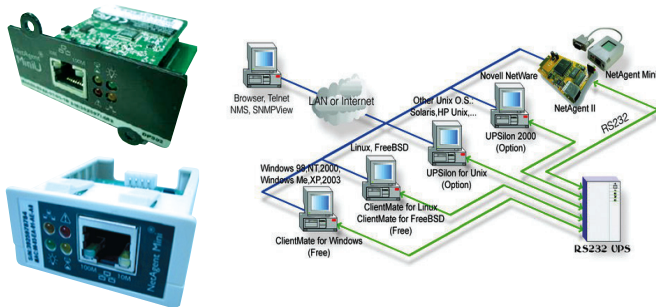
DSP TRUE ONLINE DOUBLE CONVERSION UPS

Features

- Advance Digital DSP control and IGBT Technology
- True on-line Double Conversion UPS
- Compact Rack Mount Easy to installation
- Rack Mount / Tower with Rotatable LCD Display
- High input Power Factor Correction (PFC)>0.99
- Pure Sine Wave output less than 2%THDv
- High Inverter Efficiency (Eff.≥95%)
- Wide Input Voltage range 120 - 295Vac
- Zero Transfer Time
- Output Voltage 220Vac ±1% at PF0.9
- Self-Diagnosis at UPS start-up with LCD
- 3xLong Backup Time Li-ion DOD > 90%
- 10years Long Life Battery Lithium-ion 3000 Cycle
- Advanced Battery Management (ABM)
- Surge, Spike, Blackout, Brownout, Overload and Short Circuit PQ protection
- Maintenance Bypass Switch (option : 5-10kVA)
- EMI/RFI and power line noise protection
- USB Port with UPSilon2000 monitoring
- SNMP/HTTP monitor & Environment Set. (option)
- TIS 1291 Part 1-2553, Part 2-2553, Part 3-2555:C1
- CE : IEC62040-1,-2,-3, IEC61000 / UL E337869
- ISO9001 / ISO14001 : 2015 Certified Manufacture



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. Power Quality From Blackout, Brownout, Surge, Spike, Harmonic, Noise and Frequency Drift, etc.



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



IEC-62040



www.chuphotic.com

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2-3kVA Lithium Battery



SPECIFICATIONS

Model	Rack Mount (Standard UPS)	KR2000-RM Li	KR2200-RM Li	KR3000-RM Li
CAPACITY	For Computer Load	2000VA/1800W	2200VA/2000W	3000VA/2700W
SYSTEM	Controller	Intelligent UPS with DSP control		
	Technology	High Frequency Double Conversion, Power Factor Correction (PFC) with IGBT Technology		
INPUT	Voltage nominal	220 Vac Single phase (Selectable 208/220/230 240V) L-N+PE		
	Voltage range	220Vac: -45% to +35%		
	Frequency	50/60Hz \pm 6% (Auto Detect) at nominal voltage (\pm 10% option)		
	Power Factor	PF >0.99 at Full Load (THDi<5%)		
OUTPUT	Voltage	220V \pm 1% (Selectable 208/220/230 240V)		
	Phase	Single Phase		
	Frequency	Normally locked to line frequency, Free running 50/60Hz \pm 0.1 (Crystal control)		
	Wave Form	Pure Sine Wave		
	Harmonic Distortion THDv	<3% at Full Load (Linear Load), <5% at Full Load (Non-linear Load)		
	Transient condition	\pm 5% for 100% instantaneous load variation (Step Load)		
	Overload capability	130% for 60 sec., 150% for 3 sec., >150% for 200ms, automatic transfer to Bypass		
	Crest Factor	3 : 1		
PROTECTION		Over / Under Voltage, Overload, Short circuit, Over temperature and Battery low voltage shutdown		
EFFICIENCY	DC to AC	Approximate \geq 89%		
	AC to AC	Approximate \geq 92%		
BATTERY	Type	Li : Lithium-ion 10years Long Life with 3000 Cycle		
	Capacity	48V 10000 mAh (DOD 90%)	72V 10000 mAh (DOD 90%)	
	Voltage	48Vdc	72Vdc	
	Standard Backup time	15-30min (Depend on load) / 15min Full Load		
	Recharge time	2-4 hours to 90% after load discharged		
	Charger Current(A)	Standard 4A		
	Battery temperature compensation for recharge	Option		
TRANSFER TIME	Main fail or Recover UPS to bypass 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		
	Standard Surge Protection	IEC61643-11, -21 / 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 / IEC320		
OUTPUT OUTLET	Rack mount	3 - 4xNational (Terminal option) / IEC320 (option)		
COMMUNICATION INTERFACE	USB Port	USB port can be connected to PC, workstation or servers for automatic unattended shutdown.		
	Software	UPSilon2000 supported for windows XP, 7, 8, 10, Novell Netware, Linux, FreeBSD (IBM, Sun, Solaris option)		
	SNMP/HTTP capability.	Option : SNMPL CARD / USB / Environment Set for Netagent & Utility		
ACOUSTIC NOISE	At 1 meter	< 55 dBA		
ENVIRONMENT	Temperature	0-45°C		
	Humidity %Rh	0-95 % (Non-Condensing)		
DIMENSIONS (W×H×D) mm.	Standard UPS Rack 19 inch 2U	440 × 570 × 88 (2U)		
WEIGHT (approximate in Kg.)	Standard UPS	14.0	19.0	19.2
CONFORMANCE	Design regulation	TIS.1291 Part1-2553, Part2-2553, Part3-2555 : C1, CE : IEC62040-1,-2,-3, IEC61000 / UL no.E337869 QMS By ISO9001 / ISO14001 : 2015		

All above specification may be change without prior notice.

Chuphotic.BRO-59.UPS VENUS KR Plus RM Li 2-3kVA Lithium Battery.Rev1.10/2019

บริษัท ชูฟอทิก จำกัด

949 หมู่ 9 ต.ลำไทรเหนือ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270

โทรศัพท์: 02 186 3010 แฟกซ์: 02 186 3018-9

www.chuphotic.com

E-mail: ups@chuphotic.com

ตัวแทนจำหน่าย :