

URANUS SMART Plus

True On-Line Double Conversion UPS
 Low Frequency with Isolation Transformer



Features

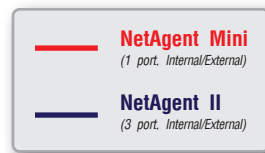
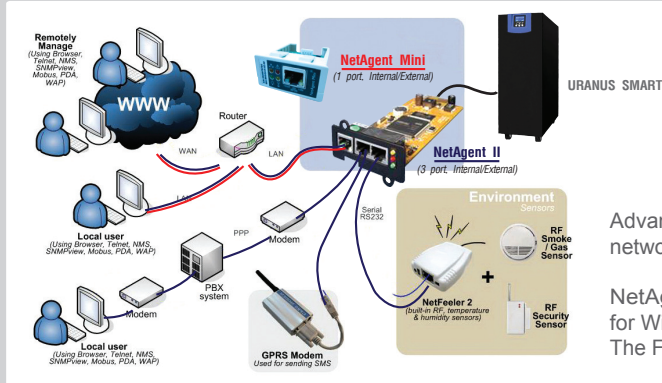
- True Online Double Conversion UPS
- Microprocessor Control with IGBT inverter design
- Sine Wave Pulse with Modulation (SPWM)
- Pure Sine Wave output with less than 3% THD
- Output Voltage 220V ±1%
- Advance Battery Management (ABM)
- Emergency Power Off (EPO) (option)
- Built in Output Isolation Transformer
- Multiple Protection Function of Over Voltage
- Over Load, Short Circuit, Under/Over Voltage and Over Temperature Protection
- UPS with in Battery/External Battery Bank (Option)
- Manual bypass 15-20kVA
- Parallel redundant N+X 3-20kVA (Option)
- Intelligent RS232/RS485 and communication port
- Cold start Function
- EMI/RFI and Power Line Noise Protection
- LCD and LED Display
- Remote Monitoring and SNMP Card management (option)
- UPSilon2000 Software Supported in Windows 95/98/NT/2000/ME/XP, Novell and Unix
- IEC EN62040-02, IEC61000-4-2.4.5 Level IV, IEC61000-4-3 Level III, GB4943 2001/IEC62040-1, GB-T4857-18
- ISO9001, ISO14001 certified manufacturer

Applications

- Server, Data network
- Telecommunication
- Medical equipment
- Transportation
- Banking & Financial
- Hospital
- CNC Machine
- Assembly Line



Communication and Power Management Solutions



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

NetAgent supervision and shut-down software included, with SNMP agent, for Windows NT 4.0, XP, Vista, Mac OS 10.x, Linux, Novell operating systems. The FC is equipped with a cable for direct connection to the PC (Plug and Play)



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



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SPECIFICATION

Model	Standard UPS	SU1KTS	SU2KTS	SU3KTS	SU5KTS	SU6KTS	SU10KTS	-	-	
	Long backup	SU1KTL	SU2KTL	SU3KTL	SU5KTL	SU6KTL	SU10KTL	SU15KTL	SU20KTL	
CAPACITY	VAAW	1kVA / .8kW	2kVA / 1.6kW	3kVA / 2.4kW	5kVA / 4kW	6kVA / 4.8kW	10kVA / 8kW	15kVA/12kW	20kVA/16kW	
INPUT	Voltage (single phase)	220/230/240Vac ±25% (100/110/120/200 option)								
	Frequency	50/60Hz ±10%(Auto selection)								
OUTPUT	Voltage (single phase)	220/230/240Vac ±1%, (100/110/120/200 option)								
	Frequency	50/60 Hz:±0.1% (Auto-select Default)								
	Wave form	Pure sine wave								
	Total harmonic distortion(THD)	<3% at full load(100% linear load), <6% at full load(100% non linear load)								
	Transient condition	Less than 5% for 100% instantaneous load variation								
	Overload capability	125% load for 2min, 150% for 30 sec, >150% for 0.5 sec then automatic transfer to bypass								
	Crest factor ratio	3:1								
	Protection	Over heat, overload, over voltage, under voltage, short circuit proof and battery low voltage shutdown								
EFFICIENCY	Output power factor	0.8(0.9 option)								
	AC to AC (at full load, Pf.=1)	>80% at full load						>87% at full load		
BATTERY	Bypass mode	>96%								
	Type	Sealed lead-acid (maintenance free) rechargeable UL94-V0 (option)								
	Capacity	16pcs x 12V7.5Ah					16pcs x 12V9.6Ah		external Battery	
	Battery voltage	192Vdc								
	Standard backup time (full load)	>34min	>18min	>11min	>4min	>4min	>3min	external Battery		
	Special backup time (option)	30-120 mins								
	Continuous recharging time	Less than 4 hours to 90% after full load discharge								
AUTOMATIC BYPASS SWITCH	Charger current Standard/Long backup	1.5A (3/7 option)						7A		
SURGE PROTECTION	Capability	1500% for 1cycle								
	Standard energy	UL recognized surge protection to std.1449								
TRANSFER TIME	Ipeak	220 joules 300Vac (510 joules option) (2 microsec wave form)								
	Mains fail or recover	Zero transfer (0 ms.)								
	UPS to bypass and vice versa	Zero time (Make before break) (option)								
MANUAL CONTROLS	Auto reverse	After overload return to normal						Circuit breaker		
	Maintenance bypass switch	Option								
INDICATOR	Front panel LED's	Line, Inverter, Bypass and Battery								
	Front panel LCD	Operate UPS status, Input voltage, Output voltage, Frequency, Bypass, Battery voltage, %Battery, % Load, VA, Watt, Temperature, Fan and Fault code								
AUDIBLE ALARM	Two tones with reset for silence	Main failure, Over/under voltage, Overload, Low battery, Over temperature and Fault								
FEATURES	Automatic detective and Shutdown when no load	(Option)								
	DC start	Yes								
	AC start without battery	Yes								
INPUT	Main input	Terminal blocks with main input circuit breaker								
	Bypass input	No				circuit breaker				
	Battery	Terminal blocks with main input circuit breaker								
OUTPUT OUTLET	Type	4pcs x National with circuit breaker				Terminal blocks with circuit breaker				
	RS232 port	Serial interface port can be connected to PC, workstations								
COMMUNICATIONS & INTERFACE	Software	UPSilon2000 Software								
	Remote terminal	(Option)								
	Remote status interface	Dry contact(option)								
	SNMP / HTTP capability	Internal(external option)								
ACOUSTIC NOISE	At 1 meter	< 55dB								
	Altitude	<1000m								
ENVIRONMENT	Temperature	0°C to 45°C								
	Humidity	0-95% (non-condensing)								
PHYSICAL DIMENSIONS (WxDxH) (mm.)	UPS include standard battery	260x560x710			320x810x790			400x700x920		
	Battery extension rack (option)	Separate (UPS and battery extension rack)								
WEIGHT (Approximate in kg.)	UPS include standard battery	60	66	70	130	135	147	-	-	
	Battery extension rack (option)	Separate(UPS and battery extension rack)								
CONFORMANCE	Design regulation	TIS.1291 Part 1-2553, Part 2-2553, Part 3-2555 : C1, IEC EN62040-02, IEC 61000-4-2.4-5 Level IV, IEC61000-4-3 Level III, GB4943-2001/IEC62040-1, GB-T4857-18								

All above specifications may be changed without prior notice.

Chuphotic.BRO-40.UPS.URANUS SMART Plus.Rev1.00/2018

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