Nice Power System 9968367658



1KVA/2KVA/3KVA INTERNAL BATTERIES

1KVA/2KVA/3KVA external batteries

Max+ series operates with programmable power management outlet along with the availability of hot standby feature and it's static bypass improves its reliability. The SNMP card is also available on demand as an option. This series is based on High Frequency Double Conversion IGBT technology with static bypass which improves reliability and consists of advanced PFC technology or battery management. The fixed output frequency can be synchronized with the input frequency.

FEATURES:

- Inbuilt charger of 9.5 Amps
- Smart display for real time information
- Inbuilt over voltage cut off device with surge protection
- Robust design with enhanced reliability
- Frequency convert mode (50Hz/60Hz)
- Generator Compatible
- External Charger: Capacity expansion to 8 Amps (Optional)
- EMI/RFI Noise Filter
- SNMP Card (Optional)
- Power Factor: 0.9
- Waveform (Battery Mode): Pure Sine wave



BENEFITS:

- Efficient micro controller based
- Hot standby feature
- Programmable power management outlets
- Static bypass
- Over heating indication and protection.
- Noise Level: Less than 50dBA@ 1meter (with fan speed control)
- SNMP (Optional): Power management from SNMP manager and web browser.

TECHNICAL SPECIFICATIONS

MODEL	NM36MX1KK11/IB MODEL	NM72MX2KK11/IB MODEL	NM72MX3KK11/IB MODEL		
CAPACITY	1KVA/900W	2KVA/1800W	3KVA/2700W		
INPUT					
VOLTAGE RANGE	110VAC±5% ~ 300VAC±5%				
FREQUENCY RANGE	40Hz~70Hz				
PHASE	Single Phase with Ground				
INPUT POWER FACTOR	≥0.99 @ Full Load				
OUTPUT					
VOLTAGE RANGE	200/208/220/230/240VAC				
AC VOLTAGE REGULATION	±1%(Battery Mode)				
FREQUENCY RANGE (Battery Mode)	50Hz±0.25Hz or 60Hz±0.3Hz				
CURRENT CREST RATIO	3:1				
HARMONIC DISTORTION	≤2% THD(Linear Load); 4% THD(Non-Linear Load)				
OVERLOAD CAPABILITY	105%~110% : UPS shuts down after 10 minutes at battery mode or transfer to bypas when the utility is normal. 110%~130% : UPS shuts down after 1 minute at battery mode or transfer to bypas when the utility is normal. >130% : UPS shuts down after 3 seconds at battery mode or transfer to bypas when the utility is normal.				
TRANSFER TIME					
AC MODE TO BATTERY MODE	Zero				
INVERTER TO BYPASS	<4ms(Typical 2.5ms)				
WAVEFORM(BATTERY MODE)	Pure Sine Wave				
EFFICIENCY	85%~92%				
BATTERY					
DC VOLTAGE	36VDC/IB(3Battery 7AH inside)	72VDC/IB(6Battery 7AH inside)	72VDC/IB(6Battery 7AH inside)		
TYPE AND NUMBERS	SMF/Lead Acid/Tubular depending on the capacity of the External Batteries				
CHARGE CURRENT	1.5A~9.5A				
CHARGING CURRENT(Adjustable)	2.0A/4.0A/6.0A/8.0A(Maximum) Selectable via LCD setting				
PHYSICAL					
DIMENSIONS PRODUCT(LxWxH)	397x145x220(in mm)	421x190x318(in mm)	421x190x318(in mm)		
NET WEIGHT PRODUCT(KGS.)	7.8 Kgs./(IB-12.5Kgs.)	12.10 Kgs./(IB-25.8Kgs.)	12.52 Kgs./(IB-27.0Kgs.)		
ENVIRONMENT					
OPERATING HUMIDITY	20-95% RH@ 0-40°C(Non-Condensing)				
NOISE LEVEL	Less than 50dBA@1Meter(With Fan Speed Control)				
LED/LCD INDICATION	LCD Indications				
MANAGEMENT					
SMART RS-232 OR USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix, MAC				
OPTIONAL SNMP	Power Ma	nagement from SNMP Manager and Web	Browser		

*Product specifications are subject to change without prior notice



Nice Power System 9968367658



ONLINE UPS 6KVA/10KVA external batteries

Max+ series operates with programmable power management outlet along with the availability of hot standby feature and it's static bypass improves its reliability. The SNMP card is also available on demand as an option. This series is based on High Frequency Double Conversion IGBT technology with static bypass which improves reliability and consists of advanced PFC technology or battery management. The fixed output frequency can be synchronized with the input frequency.



SALIENT FEATURES:

- Unity Power Factor Output with 20-Battery Option
- High Efficiency up to 94%
- True Double-Conversion
- DSP technology guarantees High Performance
- Wide Input Voltage Range (110-300 VAC)
- Light Weight UPS
- Active Input Power Factor correction 0.99
- 50Hz/60Hz Frequency Converter mode
- Emergency Power Off function (EPO)

- ECO mode for Energy Saving
- SNMP/USB/RS-232 Communications
- Adjustable Battery Numbers
- Maintanence Bypass & Static Bypass Available
- Optional N+X Parallel Redundancy
- Inbuilt Surge Protection with OVCD Available
- Generator Compatible
- External Charger: Capacity expansion to 4 Amps (Optional)

TECHNICAL SPECIFICATIONS

MODEL	MAX+ 6KVA	MAX+ 10KVA		
CAPACITY	6000VA/4800W**	10000VA/8000W**		
DC VOLTAGE	DEFAULT=192VDC, ADJUSTABLE=216VDC & 240VDC			
PHASE	1PHASE IN ~ 1PHASE OUT			
INPUT				
NOMINAL VOLTAGE	208/220/230/240 VAC			
VOLTAGE RANGE	110~300VAC ± 3% at 50% Load / 176~300VAC ± 3% at 100% load			
FREQUENCY RANGE	46~54 Hz			
POWER FACTOR	≥ 0.99 @100% Load			
TOTAL HARMONIC DISTORTION THD(i)	<4%@100% Loa	ad, <6%@50% Load		
OUTPUT				
OUTPUT POWER FACTOR	DEFAULT = 0.8, Optional = 0.9 With 18-Battery, 1 With 20-Battery**			
NOMINAL VOLTAGE	208*/220/230/240 VAC			
AC VOLTAGE REGULATION	±1%(Battery Mode)			
FREQUENCY RANGE	46~54Hz(Synchronized Range) / 50Hz ± 0.1 Hz (Battery Mode)			
CURRENT CREST RATIO	3:1(Max)			
HARMONIC DISTORTION	≤ 1% THD (Linear Load); ≤4% THD (Non-Linear Load)			
OVERLOAD CAPABILITY	AC Mode: 100%~110%: 10min ; 110%~130%: 1min ; >130% : 1sec Battery Mode: 100%~110%: 30sec ; 110%~130%: 10sec ; >130% : 1sec			
TRANSFER TIME				
AC MODE TO BATTERY MODE	Zero			
INVERTER TO BYPASS	Zero			
WAVEFORM (BATTERY MODE)	Pure S	Sine Wave		
EFFICIENCY	AC Mode: 94% /	BATTERY Mode: 91%		
BATTERY				
BATTERY TYPE	VRL	A / SMF		
NUMBER OF BATTERIES	Default: 16 Nos. Adjustable: 18 & 20 Nos.			
CHARGING CURRENT (Max.)	4.0A			
CHARGING VOLTAGE	(13.65VDC x Battery Number) ± 1%			
PHYSICAL				
DIMENSIONS PRODUCT(LxWxH)	555x250x830(in mm)			
NET WEIGHT PRODUCT(KGs.)	32.5 Kgs.	33.0 Kgs.		
ENVIRONMENT				
OPERATING HUMIDITY / TEMP.	20~90%RH and Non-Condersing / 0.40oC			
NOISE LEVEL	Less than 55dB @ 1 Meter Less than 58dB @ 1 Meter			
LCD INDICATION	UPS Status, Load Level, Battery Level, Input/Output Voltage, Input/Output Freq. / Discharge Timer / Fault Status			
MANAGEMENT				
SMART RS-232 OR USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux and MAC			
OPTIONAL SNMP	Power Management from SNMP Manager and Web Browser			

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.
**When Using 20 Pcs of Batteries. Output Power Factor will be Unity. With 18 Pcs of Battery Output Power Factor will be 0.9.
**If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
*Product specifications are subject to change without prior notice.



Nice Power System 9968367658

HIGH FREQUENCY HIGH PERFORMANCE ONLINE UPS

1KVA / 2KVA / 3KVA ISO TX

EXTERNAL BATTERIES

Max+ series operates with programmable power management outlet along with the availability of hot standby feature and it's static bypass improves its reliability. The SNMP card is also available on demand as an option. This series is based on High Frequency Double Conversion IGBT technology with static bypass which improves reliability and consists of advanced PFC technology or battery management. The fixed output frequency can be synchronized with the input frequency.

FEATURES:

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Wide input voltage (110 V 300V)
- 50/60Hz Frequency Converter Mode
- ECO mode for energy saving
- Emergency power off (EPO) function
- Adjustable charging current via LCD panel
- SNMP/USB/RS-232 multiple communications (SNMP is Optional)
- 3-stage smart battery charger design to optimize battery performance
- Comprehensive display allows easy monitoring and access of UPS status
- Generator compatible
- Built in galvanic isolation transformer

Online UPS Models With inbuilt Isolation Transformers



BENEFITS:

- Efficient micro controller based
- Hot standby feature
- Programmable power management outlets
- Static bypass
- Over heating indication and protection.
- Noise Level: Less than 50dBA@ 1meter (with fan speed control)
- SNMP (Optional): Power management from SNMP manager and web browser.

TECHNICAL SPECIFICATIONS

MODEL		MAX+ 1KVA ISO TX	MAX+ 2KVA ISO TX	MAX+ 3KVA ISO TX	
CAPACITY		1000VA / 900W	2000VA / 1800W	3000VA / 2700W	
Input					
Nominal Voltage			200/208/220/230/240 VAC		
Normal Voltage		160 VAC / 140 VAC / 120 VAC / 110 VAC ± 3 %			
Voltage Range	Low Line Transfer	based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0			
	Low Line Comeback	175 VAC / 155 VAC / 125 VAC / 125 VAC ± 3 %			
	High Line Transfer	300 VAC ± 3%			
	High Line Comeback	290 VAC ± 3%			
Frequency Range		40Hz ~ 70Hz			
Phase		Single phase with ground			
Power Factor		≧ 0.99 @ full load			
TUD.		≤5% @ 220-230VAC on Full Charged battery			
THDi		THDU < 1.6% @ input and full linear load condition			
OUTPUT		1			
Output Voltage			200/208/220/230/240 VAC		
, ,	ation(Batt Mode)		±2%		
AC Voltage Regulation (Batt. Mode) Frequency Range (Synchronized Range)		± 2% 50Hz system:47 ~ 53 Hz (60Hz system:57~63Hz)			
Frequency Range		50Hz system:47~55Hz(60Hz system:57~65Hz) 50 Hz ± 0.1 Hz(60Hz ± 0.1 Hz)			
Current Crest Rati		3:1			
	-				
Harmonic Distorti	on at output		≦ 3 % THD (Linear Load)		
		≦ 6 % THD (Non-linear Load)			
	AC to DC	Zero			
Fransfer Time	Inverter to Bypass	4 ms (Typical)			
	ECO to Battery mode		8 ms (Typical), 10 ms(max)		
Waveform (Batt. №	lode)		Pure Sinewave		
EFFICIENCY					
AC Mode		78% @ full charged battery	83% @ full charged battery	84% @ full charged battery	
ECO mode		84% @ full charged battery	90% @ full charged battery	90% @ full charged battery	
Battery Mode		75%	81%	81%	
BATTERY					
	Battery Type		SMFVRLA / LEAD-ACID		
Long-run Model	Numbers	12V x 3Pcs 12V x 6Pcs			
Long-run nouer	Charging Current (max.)	1A/2A/4A/6A/8A (Selectable), default 8A			
	Charging Voltage	41.1VDC ± 1% 82.2VDC ± 1%			
INDICATORS					
Status on LCD		UPS status, Load level, Batter	y level, Input/Output voltage/Frequ	ency, and Fault conditions Via LCD	
ALARM					
Battery Mode		Sounding every 5 seconds			
Low Battery		Sounding every 2 seconds			
Overload		Sounding every second			
Fault			Continously sounding		
PHYSICAL					
Dimension, D X W	X H (mm)		421 X 190 X 318		
Net Weight (kgs)		15.3	17.8	23.3	
Outlet types & Number			3-Pin 6Amp India type Sockets,		
Inlet type		IEC C14 10A Socket	IEC C20 16A Socket	3-Pin 50A Hard-Wire terminal	
ENVIRONMENT					
Humidity & Operating Temperature		20-95 % RH @ 0 - 40°C ** (non-condensing)			
Noise Level		Less than 55dBA @ 1 Meter with Fan speed control	Less than 65dBA @ 1 Meter	with Fan speed control	
Degree of Ingress	Protection		IP-20		
MANAGEMENT		1 			
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC			
		Power management from SNMP manager and web browser			
Optional external S	Slot (for SNMP, Dry contact,,	Power mana	gement from SNMP manager and w	eb browser	

* Derate capacity to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 200VAC or 208VAC.
 ** Above 40°C, output power shall derate to 12% of nominal power capacity for every 5°C rise in temperature upto 50°C.
 * Product specifications are subject to change without further notice

