



NATILUOS

Unlimited Energy



PRODUCTS CATALOG

COMPLETE POWER SOLUTIONS

NU31



NU 10KVA

NU 15KVA

NU 20KVA

NU31 PRO SERIES

NU31 Pro Series 10~20kVA
■ Online Single Phase UPS

DESCRIPTION

NU31 Pro specifically designed for operation in Pro Series are specifically designed for operation in poor power areas. They provides high power density with long backup time in compact size. It's ideal for ATMs, banking and other business critical applications.

APPLICATION

For ATMs, bank and critical applications



DATA CENTER



HOME/OFFICE



TRANSPORT



INDUSTRY



EMERGENCY

FEATURES

- True double-conversion
- Output power factor 0.8
- Wide input voltage range
- 50Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Optional maintenance bypass switch
- Supports 3P/1P & 1P/1P operation



SPECIFICATIONS

MODEL	NU10KVA		NU15KVA		NU20KVA		
PHASE	3 phase in / 1 phase out						
CAPACITY	10000 VA/ 8000 W		15000 VA/ 12000 W		20000 VA/ 16000 W		
INPUT							
Nominal Voltage	3 x 400 VAC (3Ph+N)						
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-520 VAC (3-phase) @ 100% load						
Frequency Range	46~54 Hz						
OUTPUT							
Output Voltage	208/220/230/240VAC						
AC Voltage Regulation (Batt. Mode)	± 1%						
Frequency Range (Synchronized Range)	46~54Hz						
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz						
Current Crest Ratio	3:1 (max.)						
Harmonic Distortion	≤ 3 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)						
Transfer Time	AC Mode to Batt. Mode		Zero				
	Inverter to Bypass		Zero				
Waveform (Batt. Mode)	Pure Sinewave						
EFFICIENCY							
AC Mode	91%		91%		91%		
Battery Mode	91%		91%		91%		
BATTERY							
Standard Model	Battery Type	12 V / 9 AH					
	Numbers	16 pcs	20 pcs	16 pcs	20 pcs	16 pcs x 2 strings	20 pcs x 2 strings
	Typical Recharge Time	9 hours recover to 90% capacity					
	Charging Current (max.)	1A ± 10%				1A/2A/4A ± 10% (2A default)	
Long-run Model	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%
	Battery Type	Depending on the capacity of external batteries					
	Numbers	16 pcs	20 pcs	16 pcs	20 pcs	16 pcs	20 pcs
	Charging Current (max.)	4A Default, 1A/2A/4A (Adjustable)					
Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	
INDICATORS							
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions						
ALARM							
Battery Mode	Sounding every 4 seconds						
Low Battery	Sounding every second						
Overload	Sounding twice every second						
Fault	Continuously sounding						
PHYSICAL							
Standard Model	Dimension, D x W x H (mm)	442 x 190 x 688		442 x 190 x 688		815 x 250x 826	
	Net Weight (kgs)	66	76	67	78	125	145
Long-run Model	Dimension, D x W x H (mm)	442 x 190 x 318				575 x 190 x 318	
	Net Weight (kgs)	15		16		18.95	
ENVIRONMENT							
Operating Humidity	0-95 % RH @ 0- 50°C (Non-condensing)						
Noise Level	Less than 60dB @ 1 Meter						
MANAGEMENT							
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC						
Optional SNMP	Power management from SNMP manager and web browser						

Product specifications are subject to change without further notice.



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+40 31 845 1600



info@natiluos.com
www.natiluos.com



GREEN GATE TUDOR VLADIMIRESCU 22
BLVD., SECTOR 5, BUCHAREST , ROMANIA