

NAET SERIES UPS 1KVA ~ 3.2KVA



True, Double-Conversion, On-Line UPS



APPLICATIONS

- Computers
- Network Servers
- Workstations
- Wireless Communications
- Other Electronic Peripherals



NOVA ELECTRIC

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A Leader in UPS Technology since 1966

MAJOR FEATURES

True On-Line Double Conversion

To ensure clean, no-break power for a wide range of mission-critical applications.



Advanced Microprocessor Control

Power failure, power restored, battery failure or other events will be detected and the user informed. A shutdown will be initiated when the batteries are exhausted or a critical technical problems occurs with the UPS.



Manual Bypass Switch

Failsafe internal automatic bypass switch with manual control to ease of maintenance.



Green Mode Function

The NAET Series switches to bypass when no load is present, but immediately switches back to inverter when the load returns. This feature offers more economical operation when power supply is more reliable without compromising the protection of the load.

UPSilon via RS232



Easy to Read Visual Display

A simple, clear visual display at the front of the unit gives an immediate indication of system status.

Cruiser via RS232



RS232

The UPS management software is installed on a server or workstation connected to each UPS via the serial port.

Rups via Contact Closure (DB9)



Integrated Smartcard Slot

This allows the user to take advantage of a growing range of add-on cards providing facilities such as SNMP, remote web browser-based management, along with USB, AS400, and DB9 cards.

Optional Specialized UPS Management Software

Highly manageable power protection for sensitive equipment. Retaining the legendary reliability of its predecessor, the NAET Series brings high-end features and manageability to even the smallest unit in the NAET Range.

Small Footprint

Compact tower, designed to be installed in an office or computer room, taking up very little valuable space in often cramped high resource areas.



SPECIFICATIONS

PARTIAL MODEL NAME	NAET1500	NAET1600	NAET2200	NAET2400	NAET3000	NAET3200
Topology	True On-Line, Double Conversion					
On-battery Output Waveform	True Sine Wave					
Number of Phase	Single (1Phase 2W + G)					
INPUT						
Maximum Capacity (VA / W)	1500 VA/1050 W	1600 VA/1120 W	2200 VA/1540 W	2400 VA/1680 W	3000 VA/2100 W	3200 VA/2240 W
Nominal Input Voltage	80 to 138 VAC	160 to 230 VAC	80 to 138 VAC	160 to 276 VAC	80 to 138 VAC	160 to 276 VAC
Input Voltage Range	80 to 138 VAC	160 to 276 VAC	80 to 138 VAC	160 to 276 VAC	80 to 138 VAC	160-276 VAC
Nominal Input Frequency	50 / 60 Hz +/- 5 Hz					
Input PFC	> 0.98 @ full load					
Input Short Protection	Circuit Breaker on front of the UPS					
OUTPUT						
Nominal Output Voltage	100/110/115/120VAC	200/208/220/230/240 VAC	100/110/115/120VAC	200/208/220/230/240 VAC	100/110/115/120VAC	200/208/220/230/240 VAC
Output Voltage Regulation	+ / - 2%					
Output T.H.D	< 3 % @ Linear Load					
High Efficiency Mode (AC to AC)	> 86%		> 90 %		> 90%	
Crest Factor	3 : 1					
Start on Battery	Yes					
Output Frequency	50 / 60 Hz (Autotracking)					
Overload Capability	Sustaining at least 120 seconds at 101-110% load, 111-150% max 12 seconds. Immediate shutdown and transfer of load to bypass at 150% load. Auto transfer back to UPS when overload is removed					
BATTERY						
User Replaceable Battery	1 x 48 VDC Battery Pack		96V (2 x 48VDC) Battery Pack		96V (2 x 48VDC) Battery Pack	
Typical Backup Time (Full/Half load)	6 / 15 minutes					
Battery Type	Sealed VRLA 12V7AH ; Hot Swap					
Recharge Time to 90%	8 hours					
Extended Battery Cabinet	Extendible Battery Module in 2U high (comprises 2 x 48VDC Battery Packs)					
Operation	Transition from or to battery operation is accomplished with no interruption of power to the load. Upon restoration of input power, the UPS will automatically resume normal operation and recharge the battery					
ADVANCE WARNING DIAGNOSTICS						
Front Panel Indication	Control panel for all functions					
Audible Alarms	DC Mode, Low Battery, voltage / Frequency Error, Charger Fail, Over Load, Fault, PFC Overload					
COMMUNICATION INTERFACE						
Communication port	RS - 232 Port (Standard); DB9, AS400, USB Cards (optional)					
SNMP Manageable	Yes					
ENVIRONMENTAL						
Temperature (Operation / Storage)	0 °C to + 40 °C / -15 to + 50 °C					
Relative Humidity	0 % to 95 % non - condensing					
Altitude	Up to 10,000 ft (3,000 meters) at up to 40 °C, without derating					
Audible Noise	< 45 dBA @ 1 meter					
MECHANICAL						
Dimensions - (WxHxD)	150 x 450 x 265 (mm) 5.9 x 17.7 x 10.4 (in)		193 x 455 x 323 (mm) 7.6 x 17.9 x 12.7 (in)		193 x 485 x 323 (mm) 7.6 x 19.1 x 12.7 (in)	
Total Weight Including Battery	42 lb 19 Kgs		67.2 lb 30.5 Kgs		83.2 lb 38 Kgs	
CONFORMANCE						
EMI / RFI Compatibility	FCC Part 15 Class B, EN50091-2 Class B, EN55022B, IEC/EN61000-3-2(Harmonic Current)					
Safety	UL, cUL (CSA)					

* Specifications are subject to change without notice

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