

# AET SERIES UPS 1KVA ~ 3.2KVA



True, Double-Conversion, On-Line UPS

## 19 INCH RACK MOUNT AND TOWER CONFIGURATION



## APPLICATIONS

- Communication Equipment
- Network Servers
- Computers
- Workstations
- Wireless Communications
- Other Electronic Pheripherals



**NOVA ELECTRIC**

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## MAJOR FEATURES

### Flexible Mounting Orientation

Allows system integrators more flexibility in designing their backup power system to maximize space. With the rotatable LCD design, the user can mount the UPS vertically or horizontally. 19" Rack Mount adapters are included with each unit. Chassis Slides are optional



### User-Friendly Graphic LCD

This robust LCD display enables field service engineers to easily troubleshoot the UPS without opening the box thus reducing downtime.



### Single Voltage Battery Pack Design

A 48 VDC standard battery pack design comprised of 4 x 12V7AH is used in all AET series UPS models and are interchangeable with each other. Additional battery drawers can be added to increase battery runtime.



### Hot-Swappable Battery

The standard 48 VDC battery pack allows installers to take the headache out of battery installation. Installers can now simply slide the used battery pack out of the unit and replace it with a new pack. All AET battery packs are interchangeable reducing the risk of system failures.



### Light Weight Design

The AET Model is specially designed for field installation. The light weight design requires only a single installer to put the system in place. This will significantly reduce on-the-job injuries and installation fees

### User-Remote Interface

The off-site user can now test, set parameters, monitor power status, save files, and shutdown the system all via the remote interface. The user-remote interface includes SNMP/HTTP Card, RS232, USB, DB9, and AS400 interface.

### Cruiser Software (Included)

Users are able to customize the various Cruiser controls such as warning method, alarm messages and several shortcut icons to easily access the most commonly used functions.



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# SPECIFICATIONS

Long backup battery maximizes extended runtime

PARTIAL MODEL NAME	AET11-1.5K	AET-11-1.6K	AET11-2.2K	AET 11-2.5K	AET11-3K	AET11-3.2K
Topology	True On-Line, Double Conversion					
On-battery Output Waveform	True Sine Wave					
Number of Phase	Single (1Phase 2W + G)					
<b>INPUT</b>						
Maximum Capacity (VA / W)	1500 VA/1050 W	1600 VA/1120 W	2200 VA/1540 W	2500 VA/1750 W	3000 VA/2100 W	3200 VA/2240 W
Nominal Input Voltage	120 VAC	230 VAC	120 VAC	230 VAC	120 VAC	230 VAC
Input Voltage Range	80 to 138 VAC	160-276 VAC	80 to 138 VAC	160-276 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					
<b>OUTPUT</b>						
Nominal Output Voltage	100/110/115/120VAC	208/220/230/240 VAC	100/110/115/120VAC	208/220/230/240 VAC	100/110/115/120VAC	208/220/230/240 VAC
Output Voltage Regulation	Rated Voltage + / - 2%					
Output T.H.D	< 3 % @ Linear Load					
High Efficiency Mode (AC to AC)	> 86%		> 88 %		> 88%	
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					
<b>BATTERY</b>						
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 / 17 minutes		9 / 26 minutes		6 / 17 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					
<b>ADVANCE WARNING DIAGNOSTICS</b>						
Front Panel Indication	Front panel menu driven LCD monitoring and control panel for all functions					
Audible Alarms	DC Mode, Low Battery, voltage / Frequency Error, Charger Fail, Over Load, Fault, PFC Overload					
<b>COMMUNICATION INTERFACE</b>						
Communication port	RS - 232 Port (Standard); DB9, AS400, USB Cards (optional)					
SNMP Manageable	Yes					
<b>ENVIRONMENTAL</b>						
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					
<b>MECHANICAL</b>						
Dimensions - (WxHxD) Note: Change W to 19 in. for Rack Mount Configuration	426 x 88(2U) x 500 (mm) 16.77 x 3.46 (2U) x 19.7 (in)		426 x 176 (4U) x 500 (mm) 16.67 x 6.93(4U) x 19.7 (in)		426 x 176 (4U) x 500 (mm) 16.67 x 6.93 (4U) x 19.7 (in)	
Weight (UPS / Battery Packs)	26.4 / 24.6 lb	12 / 11.2 Kgs	29 / 68.7 lb	13.2 / 31.2 Kgs	29.5 / 69 lb	13.4 / 31.4 Kgs
Total Weight	51 lb	23.2 Kgs	97.7 lb	44.4 Kgs	98.5 lb	44.6 Kgs
<b>CONFORMANCE</b>						
EMI / RFI Compatibility	FCC Part 15 Class B (1.5KVA, 2.2KVA, 3KVA Models) EN50091-2 Class B, EN55022B, IEC/EN61000-3-2 (Harmonic Current) (1.6KVA, 2.5KVA, 3.2KVA Models)					
Safety	UL, cUL (CSA) (1.5KVA, 2.2KVA, 3KVA Models) CE, TUV, GS (1.6KVA, 2.5KVA, 3.2KVA Models)					

\* Specifications are subject to change without notice

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