True, Double-Conversion, On-Line UPS

AET SERIES UPS
1KVA ~ 3.2KVA

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

NOVA ELECTRIC
novasales@theallpower.com
www.novaelectric.com
A Leader in UPS Technology since 1966

19 INCH RACK MOUNT AND TOWER CONFIGURATION

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.
## Long backup battery maximizes extended runtime

### PARTIAL MODEL NAME | AET11-1.5K | AET11-1.6K | AET11-2.2K | AET11-2.5K | AET11-3K | AET11-3.2K
---|---|---|---|---|---|---
**Topology** | True On-Line, Double Conversion | | | | | |
**On-battery Output Waveform** | True Sine Wave | | | | | |
**Number of Phase** | Single (1 Phase 2W + G) | | | | | |

### INPUT

| 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 | | | | | |

### OUTPUT

| 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 | | | | | |

### BATTERY

User Replaceable Battery 1 x 48 VDC 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

### ADVANCE WARNING DIAGNOSTICS

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

### 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) 426 x 88(2U) x 500 (mm) 426 x 176 (4U) x 500 (mm) 426 x 176 (4U) x 500 (mm)

Note: Change W to 19 in. for Rack Mount Configuration 16.77 x 3.46 (2U) x 19.7 (in) 16.67 x 6.93(4U) x 19.7 (in) 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

### CONFORMANCE

EMI / RFI Compatibility FCC Part 15 Class B (1.5KVA, 2.2KVA, 3KVA Models) IEC/EN61000-3-2 (Harmonic Current) (1.5KVA, 2.2KVA, 3KVA Models)

Safety UL, cUL (CSA) (1.5KVA, 2.2KVA, 3KVA Models) CE, TUV, GS (1.5KVA, 2.5KVA, 3.2KVA Models)

* Specifications are subject to change without notice