

AETES

LCD SERIES UPS

Double Conversion Technology

Possibility of extended back up times

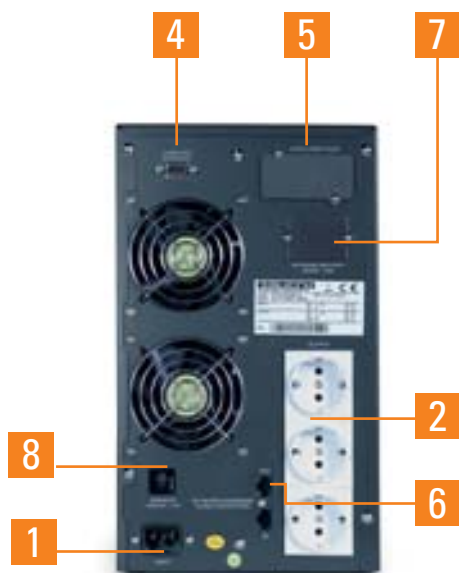
High quality long life internal batteries



1-3 kVA

BACK PANEL

1. AC input.
2. AC output.
4. RS-232 interface.
5. Intelligent slot (SNMP, USB, AS-400).
6. Data line protection RJ-11/RJ-45.
7. Battery module connection.
8. Input protection.



▶ 2 kVA tower model

COMMUNICATIONS

- ▶ RS-232 interface.
- ▶ Monitoring software.
- ▶ SNMP / Web adapter. (1)
- ▶ AS-400 card. (1)
- ▶ USB port card. (1)
- ▶ MODBUS protocol. (1)

(1) Optional

DESCRIPTION

The LCD series of AETES has been designed to contribute with the needed flexibility to medium UPS power rates, because it's where is indispensable to combine a protection of first magnitude with the capacity of adaptation to different applications.

The losses of information in the computer environments are originated in 45% by problems in the electrical power supply, without taking care about the losses in productivity due to the inactivity and to the resources needed to restore the originated damages. All the processes that require a reliable, safe, continuous and quality power supply need to be protected and fed by UPS from LCD series of AETES.

Specially designed to protect departmental networks, workstations and their associate peripherals, servers, telecom, industrial processes and medical equipments.

Soft Start, inaudible switching operating frequency at 20 kHz, power factor > 0,98 and output accuracy better than 1%.

ADAPTABILITY

- ▶ Extended back up times. (1)

AETES LCD 1-3K ONLINE UPS

MODEL		1K	1KS*	2K	2KS*	3K	3KS*
CAPACITY	VAW	1000VA/700W		2000VA/1400W		3000VA/2100W	
INPUT		Base on load percentage (100%-80% / 80%-70% / 70%-60% / 60%-0%)					
	Voltage Range	160VAC/140VAC/120VAC/110VAC ± 5VAC					
	Low Line Transfer						
	Low Line Comeback	175VAC ± 5VAC					
	High Line Transfer	300VAC ± 5VAC					
	High Line Comeback	285VAC ± 5VAC					
	Frequency Range	46Hz ~ 54Hz					
	Phase	Single phase with ground					
	Power Factor	≥0.95					
OUTPUT	Voltage	220VAC/230VAC/240VAC					
	Voltage Regulation	±2%					
	Frequency (Synchronized range)	46~54Hz					
	Frequency (Battery Mode)	50 ± 0.2 Hz					
	Current Crest Ratio	3:1					
	Harmonic Distortion	Tower Case ≤3% THD (Linear Load) ≤6% THD (Non-Linear Load)		Rack Case ≤4% THD (Linear Load) ≤7% THD (Non-Linear Load)			
	Output Waveform	Pure Sinewave					
EFFICIENCY	To AC Mode	85%		85%		88%	
	To Battery Mode	83%		83%		83%	
BATTERY	Battery Type	12V/7.2Ah		12V/7.2Ah		12V/7.2Ah	
	Numbers of Batteries	3		8		8	
	Backup Time (Full Load)	>5 minutes		>9 minutes		>5 minutes	
	Recharge Time	5 hours to 90%		5 hours to 90%		5 hours to 90%	
	Charging Current (Max.)	1.0A		1.0A		1.0A	
	Charging Voltage	41.1Vdc±0.6V		110Vdc±0.4V			
	Battery Type	12V/7.2Ah		12V/7.2Ah		12V/7.2Ah	
	Numbers of Batteries	3		8		8	
	Backup Time (Full Load)	>5 minutes		>9 minutes		>5 minutes	
	Charging Current (Max.)	1.0A		1.0A		1.0A	
	Charging Voltage	41.1Vdc±0.6V		110Vdc±0.4V			
TRANSFER TIME	AC to DC	Zero					
	Inverter to Bypass	2.5ms (Typical)					
INDICATOR	Status	Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault					
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds					
	Low Battery	Sounding every second					
	Overload	Sounding twice every second					
	Fault	Continuously Sounding					
DIMENSION	Tower Case (DxWxH) mm	400x145x220			460x192x340		
	Rack Case (DxWxH) mm	UPS Case 482.6x450x87 (w. battery)		Battery Pack 482.6x450x87			
WEIGHT	Tower Case	14 kgs		7 kgs		16 kgs	
	Rack Case	16.3 kgs (w. battery)		10.3 kgs		12.3 kgs	
ENVIRONMENT	Operating Temperature	0-40°C					
	Relative Humidity	20-90% (NON-CONDENSING)					
	Noise Level	<45dB @ 1 Meter			<50dB @ 1 Meter		
INTERFACE	Smart RS-232	Software supports Windows family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, and MAC					
	SNMP (option)	Power management from SNMP manager and web browser					
	USB (optional)	Windows family and Mac OS					