



LEONICS®

ACURA



UPS Monitoring and Management Software



Surge Protection for Telephone Line :

Protects equipment and data against surges coming through telephone line.



Hot Swappable Battery :

User can replace the battery even when the UPS is running and without turning off the computer.



Perfect Ultra Display :

Attractive outlook with full function display for ACURA model and full LCD display for ACURA PLUS model with easy control multifunction switch.



Easy-Mon X Software :

Computer can manage UPS by checking electricity status and UPS status such as utility power failure, low battery. And allow computer to shutdown UPS automatically.



Schedule Shutdown, Restart and Self-Test :

An advanced calendar helps set the time for turning the UPS on and off and also for testing the UPS when using with Easy-Mon X software. (option)



USB Connectivity :

The USB communication port for connecting the UPS to computer or network computer (option). For sending the information and data via USB cable and display through the Easy-Mon X Software.

INTELLIGENT MICROPROCESSOR and ADVANCED DIGITAL CONTROL UPS



Microprocessor Controlled :

New microprocessor controlled circuit for faster detection to protect your computer.



Power Watcher :

Overload warning is given both when utility line OK and utility line fail to let user be alarmed all the time.



Battery Watcher :

Automatic battery test and alert when it's time to replace the new battery.



Ultra Fast Charge :

With 3 stage battery charging, battery can be charged to 80% of its capacity in shorten time.



Intelligent Battery Management :

Charging and discharging battery management get longer backup times and prolong battery life.



25% Longer Backup Time :

With high rate battery, UPS can provide backup power longer than using normal battery for 25% that let user has longer time to save data and shutdown the computer. (available in some model)



AS043



ISO 9001



ISO 14001



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ISO 9001



QMS 002



Accredited by Member of the Pacific Accreditation Cooperation (IPAC) and International Accreditation Forum - Inc. (IAF) Multilateral Recognition Arrangement for Quality Management Systems



Q-MARK



Thailand Industrial Standard



5 PM's AWARDS



ISO 9001

14001

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SPECIFICATIONS	ACURA 650	ACURA PLUS 1050	ACURA PLUS 1500
Capacity	650 VA (390 W)	1050 VA (630 W)	1500 VA (900 W)

INPUT

Input voltage for utility operation	± 25% of nominal input voltage		
Nominal input	220 Vac Single phase (230, 240 Vac Option) 50 Hz ± 6% (60 Hz ± 6%) auto sensing (50 Hz ± 10% option)		

OUTPUT

Voltage (on battery for 1 PC* load)	Modify sine wave at nominal input voltage ± 2%		
Frequency (on battery)	50 Hz ± 0.1% (60 Hz ± 0.1%) auto sensing		
Automatic Voltage Regulation	Nominal voltage ± 10%		
Transfer time	2 - 4 ms		
Overload protection	On battery - internal current limiting, On line - fuse	On battery - internal current limiting, On line - circuit breaker	

SURGE PROTECTION AND FILTERING

Surge energy rating, peak current capability	346 Joules, 16 kA	519 Joules, 24 kA	
Normal mode clamping response time	< 25 ns		
Normal mode noise suppression	Full time EMI / RFI filtering		
Surge energy rating for telephone line	28.5 Joules, 3.6 kA (RJ 45 PIN 4, 5)		
Surge protection for LAN line	option	yes	

ENVIRONMENTAL

Ambient operation	0 - 95% humidity non-condensing, 0 to + 45°C (32 to 113°F)		
Ambient storage	0 - 95% humidity non-condensing, -10 to + 45°C (14 to 113°F)		
Audible noise	< 40 dBA (at 1 metre)		

PHYSICAL

Input connector type	IEC 320 C 14		
Number of output outlet	Backup	3	6
	Surge Protection	1	1
Dimensions (W x H x D) in cm. (inches)	10.0 x 16.5 x 32.0 (3.9x6.5x12.6)	12.5 x 21.0 x 36.5 (4.9 x 8.3 x 14.4)	
Net weight in kg. (lb)	8.5 (18.7)	14.0 (30.9)	18.0 (39.7)
Shipping weight in kg. (lb)	9.5 (20.9)	15.0 (33.1)	19.0 (41.9)

BATTERY

Type	Hot swappable, sealed lead acid (maintenance-free)		
Capacity	1 x 12 V 7 Ah	2 x 12 V 7 Ah	2 x 12 V High Rate
Continuous recharging time to 80 %	< 3 hours	< 5 hours	
Management	Replace battery indicator & alarm		
Backup time	15 - 40 minutes (depending on connected load)		

ADVANCE WARNING DIAGNOSTICS

Front panel LED's	On-line, UPS overload, Replace battery, Input voltage level, Load level, Battery Level	On-line, UPS overload, Replace battery	
LCD display	no	Input voltage level, Load level, Battery Level, Replace battery, Self-Test	
Audible alarms	On battery, Low battery, UPS overload, replace battery		

COMMUNICATIONS INTERFACE

USB port	USB port can be connected to PC, workstations or servers for automatic unattended shutdown. Easy-Mon X may be required.
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CONFORMANCE

Design Regulation	EN 50091-1, EN 50091-2, EN 55022, EN 61000-4-2, (4), (6), IP21
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PC* = Pentium 4, 1.8 GHz chip with 15" monitor.

- Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.
- Easy-Mon X Software capable to work with Microsoft Windows 2000/NT/XP. Please check details of OS version at www.leonics.com
- All LEONICS trademarks are the property of LEONICS. Other trademarks are the property of their respective owners.

Authorized dealer