

9. SPECIFICATION:

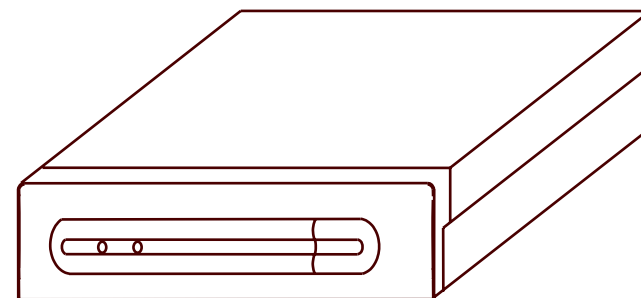
Internal UPS	MODEL	
	Micro PC 300	Micro PC 600
	(Hi Frequency)	
CAPACITY (Computer Load)	300VA / 180W	400VA / 240W
INPUT	Voltage 100V/110V/115V/220V/230V/240V \pm 15%	
	Frequency 50Hz/60Hz Auto detect	
OUTPUT	Voltage 100V/110V/115V/220V/230V/240V \pm 5% for Back-up Mode	
	Frequency 50Hz or 60Hz \pm 0.1Hz	
	Wave Form Simulated Pseudo Sine Wave	
Runtime of one set of P.C. (Including 15" LCD monitor)	10 minutes Typical.	30 minutes Typical.
TRANSFER TIME	4ms Typical.	
BATTERY	Maintenance Free	
	Lead-Acid	Ni-MH
Voltage/Capacity	6V 3Ah x 2pcs	1.2V 3.5Ah x 15pcs
Recharge Time	Approx. 8 hrs to 90%	Approx. 21 hrs to 90%
LED/ALARM INDICATION	Normal/In charge GRN LED, No Beep.	
Back up / Abnormal Input Voltage	RED LED Flashing, 2 Beeps / 4 sec.	
Power Saving (When No Load)	RED LED Flashing, 1 Beep / 4 sec. (Auto off in 30 sec.)	
Low Battery	RED LED Flashing, 4 Beeps / sec.	
Battery Replacement	RED LED Flashing, 8 Beeps/ sec.	
Over Load/Fault	RED LED Flashing, Continuous Beep.	
Abnormal Input Frequency (Back up)	RED LED Flashing, No Beep.	
OPERATION TEMP.	0-40°C	
OPERATION HUMIDITY	30-95% Non-Condensing	
DIMENSIONS (L*H*W)	242 x 144 x 40(mm)	242 x 144 x 40(mm)
WEIGHT (N.W./G.W. KG)	3.5/ 3.5 (kgs)	3.5 / 4.0 (kgs)

UPS

Uninterruptible Power System

User's Manual

INTERNAL TYPE
(Micro PC series)



Adpos
Advanced Power Systems

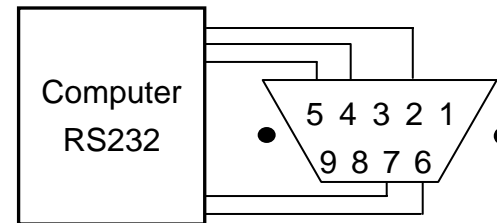
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7. COMPUTER INTERFACE PORT



Pin2 : AC Power Failure

Pin4 : Common GND of Pin2 & Pin5

Pin5 : UPS Battery Low

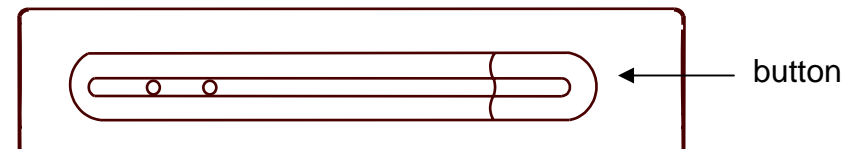
Pin6 : Turn off UPS

Pin7 : GND of Pin6

The computer interface port is diagramed above for your reference. Use Pin4 as the common of Pin2 and Pin5, Pin2 and Pin4 will become close loop from open when the utility is fail, Pin5 and Pin4 will become close loop from open when the battery level is low.

The UPS will shut down when the high level from RS-232, sustained for 3 seconds, is applied between Pin6 and Pin7.

8. BUTTON FUNCTION ON FRONT PANEL



Pushing when in normal mode ----- Self test

Pushing when in backup mode ----- Alarm reset (silence)

Pushing for 4 sec. in any mode ----- Power off manually

6.5 LED/Alarm Indication:

- * Green LED, no alarm ----- City power normal.
- * Red LED flashing, slow beeping, 2 beeps / 4 sec. ----- Backup mode.
- * Red LED flashing, quick beeping, 4 beeps / sec ----- Low battery.
- * Red LED flashing, urgent beeping, 8 beeps / sec ----- Battery Replacement
- * Red LED flashing, long beep ----- Over load
- * Red LED flashing, one beep / 4 sec. ----- No load (auto shut down after 30 sec.)

※ If any abnormal condition occurs, and the item 5.3 can not be executed, you will need to reset your UPS. Please push the button for at least 10 sec. to shut down the UPS, and to push the button again to re-start the UPS.

1. INTRODUCTION

This is a high performance with compact shape stand-by Uninterruptible Power Supply (UPS) designed to protect your computer from utility line failure. In the event of utility failure (blackout), the UPS will rapidly transfer loads to an alternative power source which derives power from battery set inside the UPS. The backup time for a Pentium III including 15"LCD monitor is about 10 minutes with Micro PC 300, and about 30 minutes with Micro-PC 600.

2. MAIN FEATURE

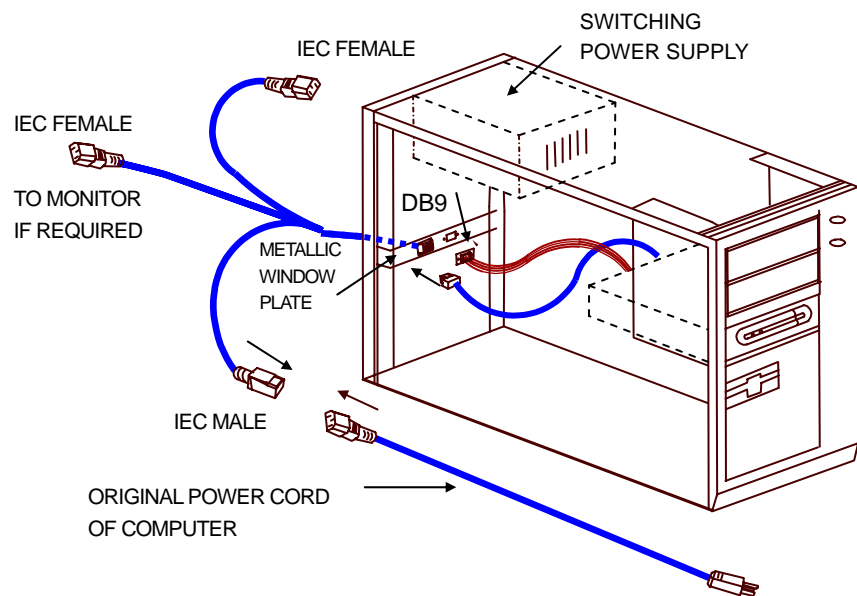
- * Microprocessor based design.
- * 'Green power' design with auto on/off function.
- * Suitable for 5 1/4" disk size.
- * Protection for overload & short circuit.
- * Easy installation.

3. CAUTION

- * The UPS is suitable for personal computer & workstation only; and is to be installed inside a computer case.
- * After installation, please make sure that the maximum power requirement is not over the rated capacity of the UPS. Red LED will be lighting and alarm will beep if the load is close to the rated value. Meantime, if the overload is severe, the UPS will shut down immediately when a blackout happens for protecting UPS itself.
- * The UPS is shipped from the factory with fully charged internal batteries; however, the batteries may lose some energy during delivery and storage. To ensure that the UPS will provide the expected run-time, the UPS must be charged for at least 12 hours before your first use. Please simply turn on the UPS after installation when city power is normal, and the batteries will be charged automatically.

4. INSTALLATION (Please also refer to the following drawing)

- 4.1 Fix the metallic window plate on the rear panel of your computer case.
- 4.2 Plug the connector of the enclosed “Y” type power cord into the window plate.
- 4.3 Plug the connector of the power cord from the UPS with the matching connector of “Y” power cord.
- 4.4 The “Y” power cord has 2 outlets for your computer and monitor. To ensure that your computer will be protected during a utility failure, the outlets of UPS must be connected with your computer and monitor, and apply the original power cord of your computer as the input cord of the UPS. When the connection is completed. The UPS can be turned on by one touch at the control button on the front panel.



5. TESTING YOUR UPS

- 5.1 Before test, please have the UPS charged for one day or the time mentioned in the spec. sheet.
(Do not have to turn on your computer, just keep the city power connected to the UPS and turn on your UPS – green LED will be on.)
- 5.2 In normal mode of UPS, turn on your computer, push the UPS button on the front panel for self-test. If it is OK, green LED will be on. While if it is over loaded, the UPS will alarm. Or if the battery level is low, it will emit quick beep for several seconds and stay in normal mode for recharging.
Please also refer to the, “LED/Alarm Indication” in item 7.5.
- 5.3 Push the button for 4sec, and check if the UPS can be turned-off manually.
- 5.4 Push the button again to turn on the UPS, then UPS will enter stand-by status, and finish the test.

6. ERROR MESSAGE OF THE TEST

- 6.1 During the test, if the UPS emits a quick beep, it means the battery level is low. Please leave the UPS in normal mode for at least 10 hours, and the batteries will be fully charged.
- 6.2 If the UPS emits a continuous beep during the test, it may be in an overload situation. The over load may result in an unexpectedly short runtime during a blackout. Please turn off the computer and check if any equipment can be removed from the UPS.
- 6.3 If the UPS emits a continuous urgent beep for 12 seconds after test, it means that the batteries are no good and may need replacement.
- 6.4 Since the UPS is made with frequency auto-select function. Either 50Hz or 60Hz of your city power, the UPS will detect it, and apply the same frequency in operation. However, if the frequency of city power is abnormal, outside the range 47 – 65Hz, the UPS will switch to backup mode for protecting your computer. (Even the city power voltage is O.K.)