

Warranty Card

Product Name	MEDXP-300
Serial Number	
Warranty	Within 1 year after purchasing date
Purchasing date	

Customer Name	
Address	
Telephone	

Place of Purchase / Store Name

- Thank you for purchasing MEDXP-300.
- Please fill in the table after purchasing.
- For further question on warranty, please contact A/S center.



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www.amstron.com

MEDXP-300 Ver.090803

MEDXP-300

User's manual



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User's Manual

1. Introduction

Thank you for purchasing the MEDXP-300. It is designed not only for computer users but also for device users that need maximum work time after battery recharging. MEDXP-300 provides about 10 or 15 hours run time depending on application devices. Advanced Li-ion battery technology allows you to keep using your devices even when you are not near any AC or DC power source. MEDXP-300 promises you unequalled productivity and mobility. Before you use the MEDXP-300, please check that the package contains all items listed below.

- MEDXP-300 Li-Ion Battery
- SmartPower 120W AC Adapter
- Output Cable
- M-Tip
- User's Manual

2. Safety Precautions

A Li-Ion battery is a safe energy source when used under normal conditions. However, if the batteries are misused or abused, undesirable situations may occur such as leakage of fumes or in extreme cases, fire or explosion. The MEDXP-300 is composed of Li-Ion batteries with high energy density. It is well designed to provide users with a safe source of remote power under normal conditions and intended use. However, it is very important for users to follow these instructions carefully to avoid the potential hazards.

2.1 Follow the instructions thoroughly.

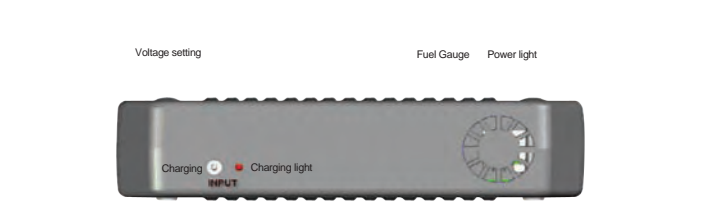
- Use the correct tip for your notebook computer model.
- Use only the AC adapter, output cable and M-Tips provided with MEDXP-300.
- Do not disassemble, puncture, throw, drop, crush, bend, or modify the MEDXP-300.
- Do not short-circuit the connectors with the metal objects.
- Do not insert any foreign objects into the charging port and output port.
- Do not incinerate or expose to heat above 60°C (140°F).
- Do not submerge or expose MEDXP-300 to water or any other liquid.
- Do not charge the battery while on an airplane.
- Always store the battery in a cool and dry area.
- Do not discard the battery in ordinary trash.
- Follow local environmental regulations for Recycling.
- Keep the battery away from children.

2.2 In Case of Emergency

- In case on contact with eyes, flush the area for more than five minutes. Then seek immediate medical attention.
- If the contents of the battery come into contact with skin, flush the area immediately with soap and fresh water. Seek immediate medical care.
- If you inhale the fumes from the leakage of battery, leave the area immediately and get some fresh air. Then seek medical attention.
- If battery's contents are ingested, give one or two glasses of water to dilute material. DO NOT induce vomiting. Seek immediate medical care.

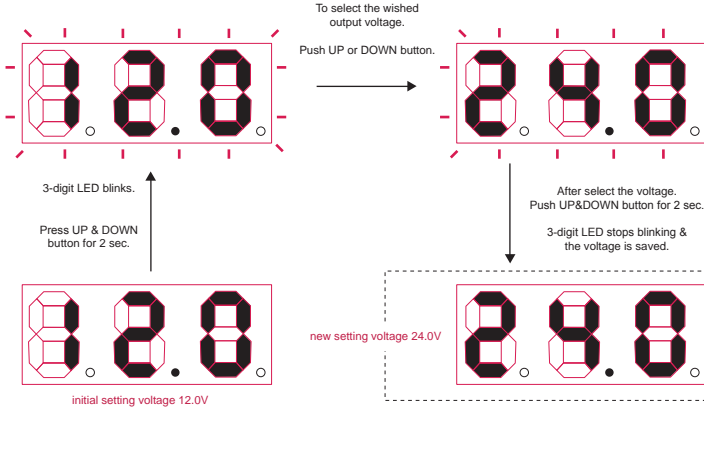
3. Usage Instructions

MEDXP-300 allows not only computer users, but also other device users need maximum work time. For better understanding about MEDXP-300, the operation at laptop use is introduced in this manual. Before turn on the MEDXP-300, select the M-tip for the device you apply to and check the voltage of the device. To check the remaining capacity of MEDXP-300, MEDXP-300 should be turn on. The Power light indicator will be turned on by pushing the Power button for 2 seconds. Then, current set voltage is indicated on the 3-digit LED. By pushing Gauge button, the remaining capacity of the MEDXP-300 will be shown on the 3-digit LED.



Warning: To save capacity, keep MEDXP-300 turn off if it's not used. By pushing Power button for 2 seconds, the Power light indicator will be off.

3.1 Voltage setting



After the Power of MEDXP-300 is on, push two voltage setting buttons (up & down button) for 2 seconds at the same time. Then, it is now in voltage setting mode, the 3-digit LED will blink and the voltage can be now changeable. The voltage you want to choose will be selected by pushing UP or DOWN button. After selecting the voltage, push two voltage setting buttons (up/down) for 2 seconds at the same time again. Then, the 3-digit LED does not blink anymore and the selected voltage is saved in MEDXP-300. If there is no button operation within 5 seconds after MEDXP-300 is in Voltage setting mode, the initial Voltage will be kept.

3.2 Operation

Before operating your device with the MEDXP-300, you should choose the correct M-Tip to fit your notebook for the compatibility, contact your local dealer to verify whether the battery works with your notebook.

Warning : Choose the correct M-Tip to fit your notebook computer. Using the incorrect M-Tip may damage your notebook computer or make it malfunction.

The MEDXP-300 provides power in a manner similar to that of an AC adapter. If there is an internal battery in the notebook during use, the MEDXP-300 will provide power to run the notebook and charge the internal battery simultaneously. This additional charging drain will lower the runtime of the MEDXP-300.

but you will now have a fully charged internal battery pack. To exclusively use the MEDXP-300 to power your notebook for maximum run-time, remove the internal battery completely or make sure the internal battery is completely charged before use. A defective internal battery may deplete the MEDXP-300 battery without retaining the transferred power in its cells.

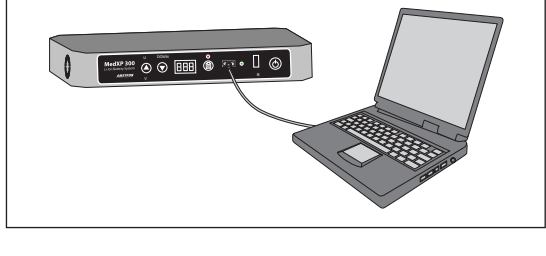
Warning : Avoid placing your MEDXP-300 in direct sunlight, or next to heat-sensitive materials, or in automobiles where extreme temperatures may result.

Note : For precautionary measures, the battery may shut down temporarily if it reaches a temperature of 60°C(140°F). The battery will resume normal operation once it has cooled off sufficiently.

3.2.1 Connection

After the voltage setting is done, MEDXP-300 can be connected to the notebook with output cable as the PICTURE 1.

[PICTURE 1]



1. Connect the selected M-Tip to the end of output cable.
2. Insert the other end of the output cable into the output port on the digital panel of MEDXP-300.
3. Plug the M-Tip end into the AC port of your notebook where the AC adapter would normally connect.
4. Turn on your notebook computer and begin to work.

3.2.2 Warning alarm indicator

If the warning alarm indicator as the TABLE 1, MEDXP-300 needs to be charged by the AC adapter.

The MEDXP-300 battery is shipped with a minimal charge and will need to be fully charged before use.

[TABLE 1]

Operation condition	Battery capacity	10%	5%	0%
By battery connection with notebook [PICTURE 1]	Blink, 2 seconds interval	Blink in 1 second	OFF	
By battery connection with AC adapter & notebook [PICTURE 2]	Blink, 2 seconds interval	Blink in 1 second	Blink, 0.25 second interval in 3 seconds	
Power OFF → ON	Blink, 2 seconds interval	Blink in 1 second		

3.2.3 Simultaneous charging/discharging

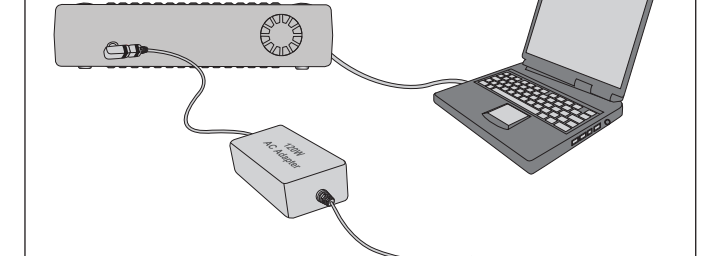
If you want to charge MEDXP-300 and use it with your laptop simultaneously, connect the provided AC adapter to the Charging port of MEDXP-300 by inserting the output cable into the output port on digital panel of MEDXP-300 and plug the M-Tip end of AC port of your notebook as the PICTURE 2.

3.2.4 5V USB output

MEDXP-300 provides 5V output power used to low power mobile devices such as cellular phones, digital cameras, PDA's,

portable game players, MP3 players. By using 5V output, a USB cable with ring core is recommended.

[PICTURE 2]

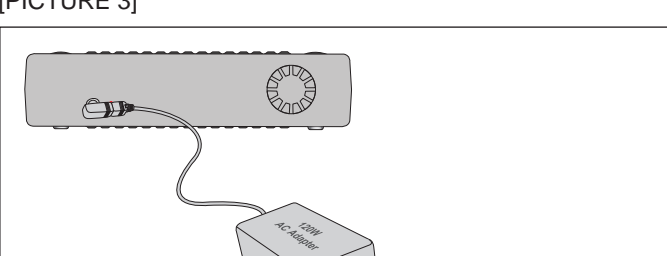


- Warning:**
- **By simultaneous Charging/Discharging MEDXP-300, max. 75Watt can be used. If the device is required over 75Watt, MEDXP-300 will shut off for its own protection and provides no power to the device. In this case, output LED blinks every second. Please check your device required over 75Watt before using MEDXP-300.**
 - **If there is no output power by self-protection of MEDXP-300, turn off MEDXP-300 and turn on it after 30 seconds again.**
 - **If power indicator does not light even though MEDXP-300 is turned on, it might be discharged. Please charge it with provided AC adapter in around 30 minutes and turn on MEDXP-300 again.**
 - **If the problem persists, please contact the dealer where you bought MEDXP-300 for further assistance.**

3.3 Charging

Warning : To charge the MEDXP-300, use only the AC adapter provided with the MEDXP-300.

[PICTURE 3]



1. Disconnect the output cable of MEDXP-300 from the notebook. (It is recommended to have the output cable detached from the battery during charging.)
2. Connect the AC adapter into the AC outlet on the wall.
3. Insert the AC adapter plug into the charging port of MEDXP-300.
4. Leave the MEDXP-300 plugged into the AC/DC outlet until charging indicator displays constant green signal. Then, the MEDXP-300 is fully charged and ready to use. The charging time can be about 6 or 7 hours.

Please refer to the "Reading the Fuel Gauge" at the section 3.4 of this manual.

When the red charging is in progress, the charging indicator will blink in red with 1 second interval.

3.4 Reading the Fuel Gauge

The MEDXP-300 battery has 8-step fuel gauge system to indicate the charging status. The fuel gauge button is located near 3-digit LED of MEDXP-300 and remained capacity is shown on 3-digit LED.

To check the remaining capacity of the MEDXP-300, push the gauge button after the power is on. Then, 3-digit LED shows the numbers as below;

Remained capacity	LED display (%)
100%~90%	100
90%~71%	80
70%~51%	60
50%~31%	40
30%~11%	20
10%~6%	10
5%~1%	5
0%	0

4. Specifications

Output voltages	5V(USB), 12V, 16V, 19V, 24V
Output power	Max. 130Watt
Capacity	14.8V/19.8Ah (300Wh)
Run Time	Depending on devices, up to 14hours
Dimensions	10.63x7.09x1.57 in. [270x180x40 mm]
Weight	5.98lbs [2.7Kg]
Fuel Gauge	3 digit display
Charging Time	6~7 hours

5. Warranty

MEDXP-300 is warranted for 1 year from the date of purchase against defects in materials and workmanship. During this period, those defects will be repaired or the product will be replaced without charge. This warranty does not cover damages caused by misuse and neglect. If you have any problem, please contact the dealer where the MEDXP-300 was purchased. Under no situations will the manufacturer be liable for any of the followings: loss of damage to programs, records, or data; loss or damage to a computer; any other incidental or consequential damages caused by the user or the user's inability to use this product.

6. Customer Service

If you encounter a problem with the MEDXP-300, please contact the dealer where the MEDXP-300 was purchased at:

AmstronPower Solutions, Inc.
28918 Hancock Parkway
Valencia, CA 91355
Tel : 818-504-1634, Fax : 818-504-1636

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

CAUTION DISPOSE OF USED BATTERY PROMPTLY. KEEP AWAY FROM CHILDREN.

CAUTION THE BATTERY USED IN THIS DEVICE MAY PRESENT A FIRE OR CHEMICAL BURN HAZARD IF MISTREATED. DO NOT DISASSEMBLE, HEAT ABOVE 100°C (212°F) OR INCINERATE.