

Warranty Card

Product Name	MEDXP-300
Serial Number	
Warranty	Within 12 months 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.

AMSTRON
POWER SOLUTIONS

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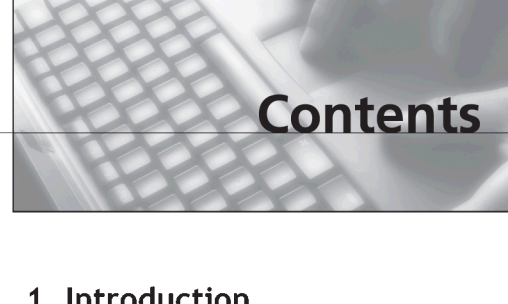
MEDXP300 Ver.130304

MEDXP-300

User's manual



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1. Introduction

Thank you for purchasing the MEDXP-300.

The MEDXP-300 was specifically designed for use with medical carts and can power your laptop or thin-client computer/monitor combo.

The MEDXP-300 provides 300Whr of power and typically gives you an additional 10 hours of runtime on a laptop. This long runtime is achieved through the use of Advanced Li-ion battery technology allowing you to keep using your devices even when you are not near any AC or DC power sources. Before you use the MEDXP-300, please check that the package contains all items listed below.

- MEDXP-300 Battery
- AC charging adapter with cord
- Output Cable
- M-Tip(s)
- User's Manual

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2. Safety Precautions

A Li-Ion battery is a safe and reliable 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 cells with high energy density and is designed with several safety features but it is very important for users to follow these instructions carefully to avoid the potential hazards.

2.1 Follow Instructions Thoroughly

- Use the correct tip for your laptop computer model or device.
- Use only the AC adapter, output cable and M-Tip(s) provided with MEDXP-300.
- Do not disassemble, puncture, throw, drop, crush, bend, or modify the MEDXP-300.
- Do not short-circuit the connectors with 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.

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2.2 In Case of Emergency

- In case fumes or contents of the battery come into contact with the eyes, flush the area for more than five minutes with running water. 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 powers not only laptop users but other devices that need maximum work time like a medical cart. For a better understanding about the operation of the MEDXP-300, please read this manual carefully. To use the MEDXP-300, you need to have the proper M-tip for your device and know the correct voltage input.

The MEDXP-300 outputs 12V, 16V, 19V, and 24V through the primary cable up to 130Watts of power and can provide 5V output through a standard USB port.

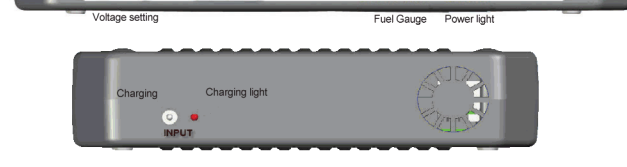
The MEDXP-300 can be powered up by pushing the Power button for 2 seconds. The current set voltage will be indicated on the 3-digit LED at first and after a few seconds will automatically

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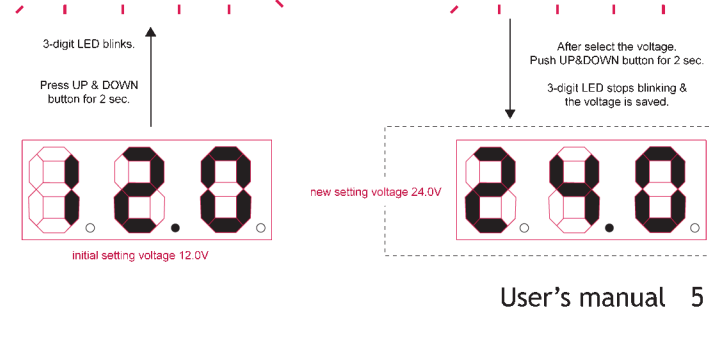
switch to the percentage capacity left in the MEDXP-300.

By pushing Gauge button, the LED will show the current set voltage. After a few seconds, the LED will switch back automatically to the percent capacity.



Warning: To save capacity, keep MEDXP-300 turned off if it is not being used. By pushing the Power button for 2 seconds, the unit will turn off.

3.1 Voltage setting



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After the MEDXP-300 is on, push the two voltage setting buttons (up & down buttons) for 2 seconds at the same time to put the unit into voltage setting mode. The 3-digit LED will blink and the voltage can now be changed. Choose the voltage (12V, 16V, 19V, 24V) you want by pushing the UP or DOWN buttons to select through the available voltages. After selecting the voltage, push the two voltage setting buttons (up/down) for 2 seconds at the same time again. The 3-digit LED will stop blinking and the selected voltage is saved by the MEDXP-300. If there is no button operation within 5 seconds after MEDXP-300 goes into Voltage setting mode, the initial Voltage will be kept. By pushing Gauge button, the LED will show the current set voltage.

3.2 Operation

Before connecting your device to the MEDXP-300, you should choose the correct M-Tip for your device. If you are unsure of which tip you need, contact your local dealer or the manufacturer for assistance.

Warning : Choose the correct M-Tip to fit your device. Using the incorrect M-Tip may damage your device 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 laptop during use, the MEDXP-300 will provide power to run the laptop and charge the internal battery simultaneously. This additional charging drain will lower the runtime of the MEDXP-300.

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but you will now have a fully charged internal battery pack.

To exclusively use the MEDXP-300 to power your laptop 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.

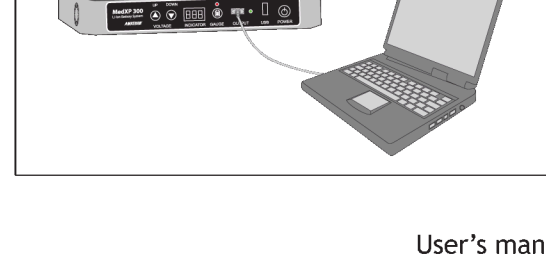
Warning : Avoid placing your MEDXP-300 in direct sunlight, or next to heat-sensitive materials, or in automobiles where extreme temperatures may result.

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 and it is powered back up.

3.2.1 Connection

After the voltage setting is complete and you have the correct M-tip, the MEDXP-300 can be connected to the laptop with the output cable as shown in PICTURE 1.

[PICTURE 1]



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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 laptop or device where the AC adapter would normally connect.
4. Turn on your laptop computer or device and begin to work.

3.2.2 Warning alarm indicator

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

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

[TABLE 1]

Battery capacity	10%	5%	0%
Operation condition	Blink, 2 seconds interval	Blink in 1 second	OFF

By battery connection with notebook (PICTURE 1)

By battery connection with AC adapter & notebook (PICTURE 2)

Power OFF → ON

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 and connect the MEDXP-300 to your laptop or device as normal as shown in PICTURE 2.

3.2.4 5V USB output

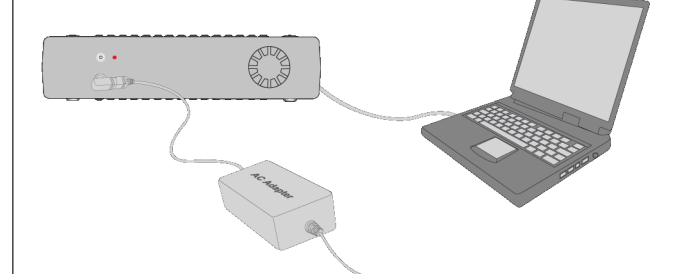
The MEDXP-300 provides 5V output power used in mobile devices such as cellular phones, digital cameras, PDA's,

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portable game players, MP3 players, and more. Simply plug in your USB cable to the MEDXP-300 USB port. The MEDXP-300 must be on for the USB port to work.

[PICTURE 2]



Warning:

- **By simultaneous Charging/Discharging MEDXP-300, a max of 120Watts can be used. If the device requires over 120Watts, the MEDXP-300 will shut off for its own protection and provide no power to the device. In this case, the output LED blinks every second.**
- **If there is no output power from the MEDXP-300 (power is on and power LED is blinking), turn off the MEDXP-300 and bring it back on after 30 seconds or plug in the AC adapter to turn it out of self-protection mode.**
- **If the power indicator does not light when the MEDXP-300 is turned on, it might be discharged. Please charge it with provided AC adapter for 30 minutes and turn on the MEDXP-300 again to use.**

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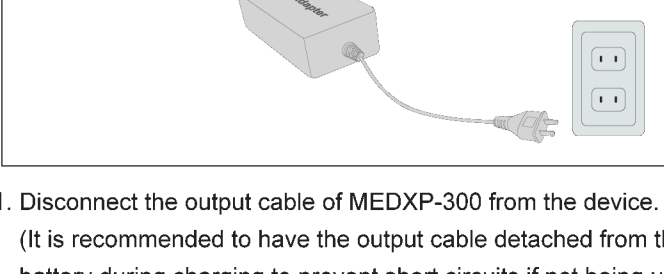
- If the problem persists, please contact the dealer where you bought MEDXP-300 for further assistance.

3.3 Charging

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

Note: Simultaneous Charging/Discharging the MEDXP-300 will vastly increase the time to fully recharge the MEDXP-300.

[PICTURE 3]



1. Disconnect the output cable of MEDXP-300 from the device. (It is recommended to have the output cable detached from the battery during charging to prevent short circuits if not being used.)
2. Connect the AC adapter into the AC outlet on the wall.
3. Insert the AC adapter plug into the charging port on the side of the MEDXP-300 and a LED light will turn on next to

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the charging port to indicate charging.

4. Leave the MEDXP-300 plugged in until the charging indicator LED is a constant green. Then, the MEDXP-300 is fully charged and ready to use.

5. The charging time can be up to 6 hours. If you are charging and using the MEDXP-300 at the same time, the charging time may be significantly increased.

3.4 Reading the Fuel Gauge

The MEDXP-300 battery has an 8-step fuel gauge system to indicate the charging status. The capacity of the battery is shown on a 3-digit LED.

To check the remaining capacity of the MEDXP-300, refer to the chart 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

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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 hours

5. Warranty

MEDXP-300 is warranted for 12 months 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 and the normal wear of the lithium ion battery cells during use. If you have any problems, 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 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.

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6. Customer Service

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

Amstron Power Solutions, Inc.

28918 Hancock Parkway
Valencia, CA 91355
Tel : 818-504-1634, Fax : 818-504-1636

CAUTION LITHIUM-ION BATTERIES CAN BE DANGEROUS IF MISHANDLED. DISPOSE BATTERY CORRECTLY. CONTACT YOUR LOCAL RECYLING CENTER FOR INSTRUCTIONS

CAUTION KEEP AWAY FROM CHILDREN. DO NOT DROP, PUNCTURE, IMMERSE IN WATER OR OTHER LIQUIDS. KEEP AWAY FROM DIRECT SUNLIGHT, FIRE OR HEAT.

CAUTION THE BATTERY USED IN THIS DEVICE MAY PRESENT A FIRE OR CHEMICAL BURN HAZARD IF MISTREATED. DO NOT DISASSEMBLE, HEAT ABOVE 60°C (140°F) OR INCINERATE.