

Medical Safety Information

Pharmaceuticals and Medical Devices Agency

pmda No. 20 November, 2010

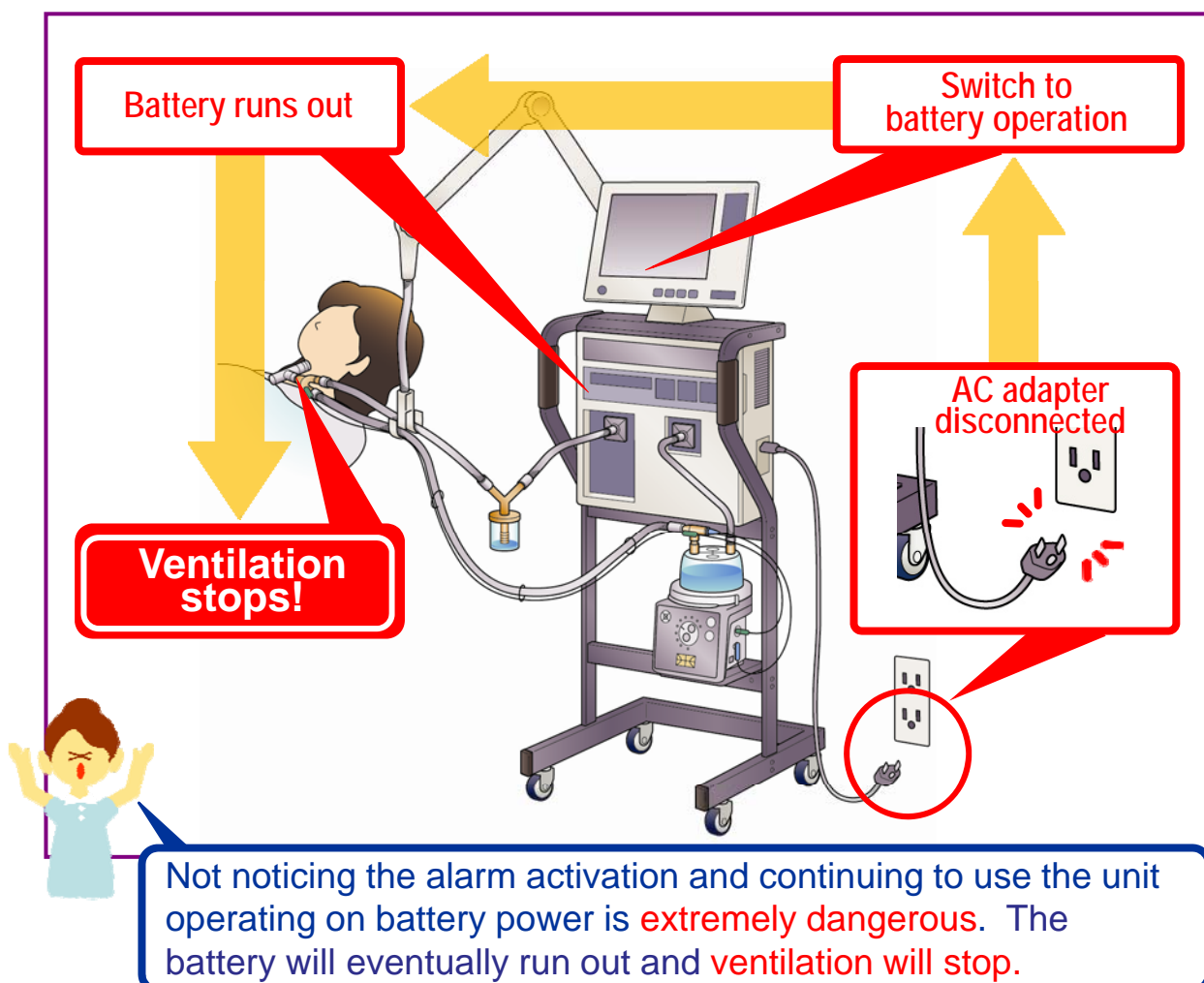
Precautions in Artificial Respiration (No. 3)

POINT Key points for safe use

(Case 1) An artificial respirator was unintentionally switched to battery operation. After an empty battery alarm was activated, ventilation stopped. It was found that the AC adapter was disconnected.

1 Precautions for power source during use

- When using artificial respirator, **always check indicators and/or messages to make sure** that AC power is being supplied.



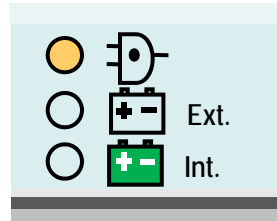
Display examples of power source light indicators during use

Dräger Medical Japan Ltd.



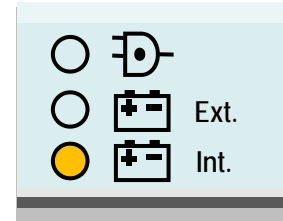
Evita XL

AC operation



AC power : ON
 Internal battery : OFF

Battery operation



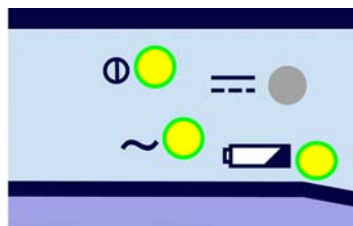
AC power : OFF
 Internal battery : ON

IMI Co., Ltd.



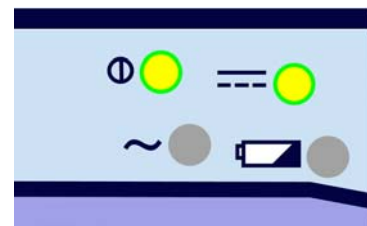
Vela Ventilator

AC operation



AC power : ON
 Internal battery : OFF

Battery operation



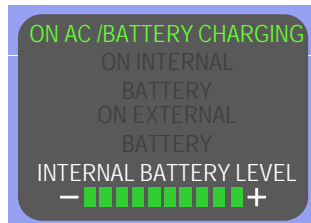
AC power : OFF
 Internal battery : ON

Covidien Japan Co., Ltd.



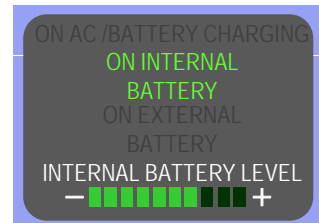
Ventilator 740

AC operation



ON AC/BATTERY CHARGING : ON
 ON INTERNAL BATTERY : OFF

Battery operation



ON AC/BATTERY CHARGING : OFF
 ON INTERNAL BATTERY : BLINKING

As shown above, the power source indicators vary among products. Before using, make sure to understand "where and how" indicators are displayed.

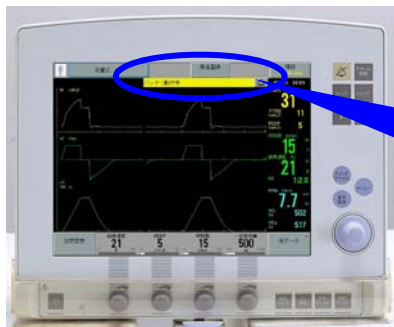


Display examples of messages indicating battery operation during use

Some products display a message on the screen indicating the device is operating on battery power.



Fukuda Denshi Co., Ltd.



Servo-i Ventilator System

AC operation

[No messages about power source are shown.]

Battery operation



[A message shows that AC power has been shut off and the device is operating on battery power.]

IMI Co., Ltd.



AVEA Ventilator System

AC operation

[No messages about power source are shown.]

Battery operation



[A message shows that AC power has been shut off and the device is operating on battery power.]

Sata Corporation

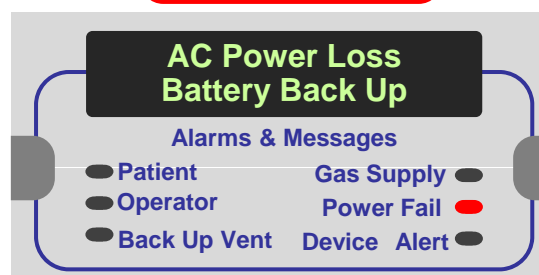


NEWPORT e500
Wave Ventilator

AC operation

[No messages about power source are shown.]

Battery operation



[A message shows that AC power has been shut off and the device is operating on battery power.]

2 What we can do to draw attention to power source indicators

Attaching caution labels near the power source indicators could help to draw attention.



Covidien Japan Co., Ltd.
Ventilator 840



IMI Co., Ltd.
AVEA Ventilator System



Attaching caution labels such as these would be helpful



About this information

* PMDA Medical Safety Information is issued by the Pharmaceuticals and Medical Devices Agency for the purpose of providing healthcare providers with clearer information from the perspective of promoting the safe use of pharmaceuticals and medical devices. The information presented here has been compiled, with the assistance of expert advice, from cases collected as Medical Accident Information Reports by the Japan Council for Quality Health Care, and collected as Adverse Drug Reaction and Malfunction Reports in accordance with the Pharmaceutical Affairs Law.

* We have tried to ensure the accuracy of this information at the time of its compilation but do not guarantee its accuracy in the future.

* This information is not intended to impose constraints on the discretion of healthcare professionals or to impose obligations and responsibility on them, but is provided as a support to promote the safe use of pharmaceuticals and medical devices by healthcare professionals.