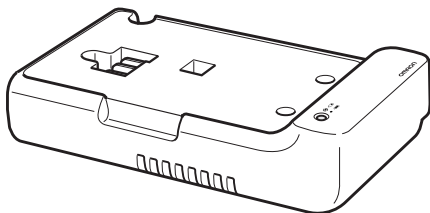


COMP *A-I-R*™ Elite

## NE-C30-E Battery Charger

Model **C30-E-BATCH**



**A Good Sense of Health**

- 
- Instruction Manual
  - Mode d'emploi
  - Gebrauchsanweisung
  - Manuale di istruzioni
  - Manual de instrucciones
  - Gebruiksaanwijzing
  - РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ

• كتيب الإرشادات

EN

FR

DE

IT

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## Introduction

Thank you for purchasing the OMRON Battery Charger C30-E-BATCH. Please be sure to read these instructions so that you use the battery charger safely and correctly.

This instruction sheet complements the instruction manual for the NE-C30-E Compressor Nebuliser and describes how to use the battery charger. For instructions on correct use of the compressor nebuliser itself, refer to the NE-C30-E Instruction Manual. For instructions on using the optional rechargeable battery, refer to the instructions for the Rechargeable Battery (C30-E-BAT). Please keep these instructions for future reference.

**This battery charger is designed for use with the NE-C30-E Rechargeable Battery (C30-E-BAT) and should not be used for any other purpose. Use only the AC adapter provided with the NE-C30-E with this charger. Use of unsupported AC adapters may damage the unit.**

**Note:** Hereafter, the OMRON Nebuliser Compressor NE-C30-E is referred to as the compressor, the Rechargeable Battery C30-E-BAT as a/the battery, and the Battery Charger C30-E-BATCH as the charger.

## Important safety instructions

### **Warning:**

Failure to observe these precautions could result in a hazardous situation which, if not avoided, could result in death or serious injury.

- Do not use the charger while it is wet, or connect it to a power outlet or other devices with wet hands.
- The charger is not waterproof. Do not spill water, or other liquids, on it. If liquid or medication does spill on it, immediately wipe off the liquid with gauze or other absorbent material. Do not use or store the charger in humid locations, such as a bathroom.
- Use only the original AC adapter designed for this charger for AC power outlets. Use of unsupported adapters may damage the charger.
- Do not use the charger where it may be exposed to flammable gas.

### **Caution:**

Failure to observe these precautions could result in a potentially hazardous situation which if not avoided, may result in minor or moderate injury, or physical damage.

- Provide close supervision when this charger is used by, on, or near children or invalids.
- Only use the charger to charge the battery at temperatures within the range of +10°C to +40°C.
- Always unplug the adapter from the power outlet after use.
- Do not drop the charger or subject it to strong shocks.
- Keep the charger out of the reach of unsupervised infants and children.
- Do not cover the charger with a blanket or towel etc., during use.
- Do not attempt to insert anything through the slotted opening on the side of the charger or place anything in front of it that might block it.

- Do not disassemble or attempt to repair the charger.
- Always remove the battery after charging.

### **General safety precautions**

- Do not spill liquid or medication on the charger connector, or allow it to become dusty. Immediately wipe off the liquid or dust with gauze or other absorbent material.
- Do not leave the charger where it will be exposed to extreme temperatures or changes in humidity, such as in a vehicle during the summer, or where it will be exposed to direct sunlight.
- Operate the charger only as intended. Do not use the charger for any other purpose.
- The plug is provided so that the charger can be completely isolated from the power source. To completely isolate the charger from the power source unplug the plug from the power source.

## Charging the battery

1. Insert the AC adapter into the power connector on the charger.
2. Insert the plug of the adapter into a power outlet.
3. Attach the optional battery to the charger as shown.

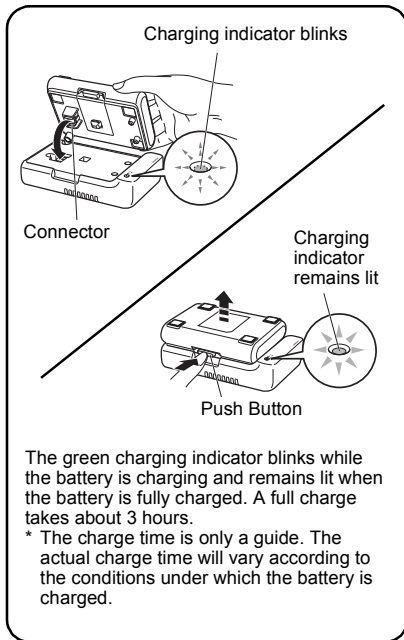
**Note:** Press the battery until it clicks into place on the charger.

4. Charging starts and the green charging indicator blinks.
5. The green charging indicator changes from blinking to remaining lit continuously when the battery is fully charged.
6. After the battery is fully charged, press the button on the side of the battery to remove the battery from the charger.

If the charge indicator does not blink when the battery is mounted correctly, immediately disconnect the charger and refer to the Troubleshooting section.

### Notes:

- When charging a battery, check that the charge indicator blinks to indicate that the battery is charging.
- Before removing a battery from the charger, make sure that the charge indicator is lit.



The green charging indicator blinks while the battery is charging and remains lit when the battery is fully charged. A full charge takes about 3 hours.

\* The charge time is only a guide. The actual charge time will vary according to the conditions under which the battery is charged.

## Charging indicator status

Indicator status	Charge status
Off	Standby mode
Blinking	Charging battery
Light on constantly	Battery fully charged

## Battery charging time

When the battery is fully charged (approx. 3 hours), it can be used to operate the NE-C30-E for about 35 minutes. However, the operation time will vary according to the following conditions:

- The battery charge level.
- Operating conditions.
- Number of charge/discharge cycles.

## Maintenance and storage

- Never clean with benzene, thinner or a flammable chemical.
- Always disconnect the charger and battery from the power source when cleaning.
- Do not store the charger in the following locations:
  - Where it will be exposed to water.
  - Exposed to high temperatures or humidity, direct sunlight, dust or saline vapours.
  - Where it will be exposed to strong vibrations, shocks, or be at an angle.
  - Exposed to chemical or corrosive vapours.

**Note:** If these precautions and other instructions are not followed, the charger may not operate as expected.

## Troubleshooting

Symptom	Cause	Remedy
Green charge indicator blinks when a fully charged battery is recharged.	It takes a few seconds for the charger to detect the charge level of the battery. This is not a malfunction.	The indicator will change from blinking to lit after a few seconds. Depending on the charge status of the battery, this can take up to 10 minutes. (* However, this type of use will reduce battery life.)
The charge indicator does not light when a battery is mounted on the charger.	The connector plug of the AC adapter has not been inserted in the charger.	Insert the connector correctly.
	The AC adapter is not connected to a power source.	Connect the adapter to a power source.
	The connector between the battery and charger is dirty.	Wipe the connector clean with gauze or other absorbent material.
	The battery is not connected correctly.	Press the battery until it clicks into place on the charger.
	The battery life has been exceeded.	Replace the battery with a new one.
The charge indicator does not go out even when a battery is removed from the charger.	The charger is damaged.	Contact an authorized OMRON dealer for repairs.

Symptom	Cause	Remedy
The operation time of the battery becomes short.	The battery has not been fully charged.	Charge the battery until it is fully charged.
	The battery life has been exceeded.	Operation life of the battery will be reduced to about half after the battery has been charged/ discharged about 300 times. It should be replaced when a fully charged battery only lasts for 15-20 minutes.
	Battery operation time has deteriorated due to the battery being recharged before it has fully discharged.	Fully discharge and recharge the battery 2 or 3 times. This should restore the battery to full capacity. If full capacity is not restored, the battery life has been exceeded. Replace the battery with a new one.
	The battery is being used at low temperatures.	The battery capacity is reduced at low temperatures. When using the NE-C30-E with the battery, make sure the temperature is above 10°C.

**Note:** If the suggested remedy does not solve the problem, do not try to repair the device - no parts of the unit are user serviceable.  
Return the unit to an authorized OMRON dealer.



## Technical data

<b>Model:</b>	C30-E-BATCH
<b>Electrical:</b>	12V DC, 0.75A (Using the original AC adapter included with the NE-C30-E)
<b>Power Consumption:</b>	9 watts
<b>Weight:</b>	140g
<b>Charge Time:</b>	Approx. 3 hours (when used at 23°C / 65% RH) Charging time may vary depending upon operating conditions.
<b>Operating Temperature /Humidity:</b>	+10°C to +40°C / 30% to 85% RH
<b>Storage Temperature /Humidity/Air Pressure:</b>	-20°C to +60°C / 10% to 95% RH / 700 to 1060 hPa
<b>Storage Conditions:</b>	700 to 1060 hPa

### Notes:



= Type B

CE 0197

- Do not use the device where it may be exposed to flammable gas.
- The documentation in accordance with EN60601-1-1-2:2001 is available.
- This device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive).



= Class II



= Warning: read the instruction manual carefully

### ***Important information regarding Electro Magnetic Compatibility (EMC)***

With the increased number of electronic devices such as PC's and mobile (cellular) telephones, medical devices in use may be susceptible to electromagnetic interference from other devices. Electromagnetic interference may result in incorrect operation of the medical device and create a potentially unsafe situation.

Medical devices should also not interfere with other devices.

In order to regulate the requirements for EMC (Electro Magnetic Compatibility) with the aim to prevent unsafe product situations, the IEC60601-1-2 standard has been implemented. This standard defines the levels of immunity to electromagnetic interferences as well as maximum levels of electromagnetic emissions for medical devices.

This medical device manufactured by OMRON Healthcare conforms to this IEC60601-1-2:2001 standard for both immunity and emissions.

Nevertheless, special precautions need to be observed:

- Do not use mobile (cellular) telephones and other devices, which generate strong electrical or electromagnetic fields, near the medical device. This may result in incorrect operation of the unit and create a potentially unsafe situation. Recommendation is to keep a minimum distance of 7 m. Verify correct operation of the device in case the distance is shorter.

Further documentation in accordance with IEC60601-1-2:2001 is available at OMRON Healthcare Europe at the address mentioned in this instruction manual.

Documentation is also available at [www.omron-healthcare.com](http://www.omron-healthcare.com).



### ***Correct Disposal of This Product (Waste Electrical & Electronic Equipment)***

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

This product does not contain any hazardous substances.

Disposal of this product and used batteries should be carried out in accordance with the national regulations for the disposal of batteries.

<b>Subsidiary</b>	<b>OMRON HEALTHCARE UK LTD.</b> Opal Drive Fox Milne, Milton Keynes MK 15 0DG, United Kingdom
<b>Subsidiary</b>	<b>OMRON Medizintechnik Handelsgesellschaft m.b.H.</b> Windeckstraße 81a, D-68163 Mannheim, Germany www.omron-medizintechnik.de
<b>Subsidiary</b>	<b>OMRON SANTÉ FRANCE</b> 14, rue de Lisbonne, F-93561 Rosny-sous-Bois Cedex, France
<b>Manufacturer</b>	<b>OMRON HEALTHCARE CO., LTD.</b> 24, Yamanouchi Yamanoshita-cho, Ukyo-ku, Kyoto, 615-0084 Japan 
<b>EU-representative</b>	<b>OMRON HEALTHCARE EUROPE BV</b> Kruisweg 577, 2132 NA Hoofddorp, The Netherlands www.omron-healthcare.com 