



# OPERATING MANUAL

## Charger

Model number: K.1.S.IMOPLCHARGER



# 230/240/115 Volt

The logo for i-mop lite, featuring a stylized blue circular icon with a white swirl inside, followed by the brand name "i-mop lite" in a bold, blue, sans-serif font.	A simple line-art icon of a house, representing indoor use.	An icon of a person reading a document, representing the instruction manual.	A standard warning triangle icon with an exclamation mark inside.	A warning triangle icon with a lightning bolt inside, representing a strong magnet warning.	The logo for i-mop lite, featuring a stylized blue circular icon with a white swirl inside, followed by the brand name "i-mop lite" in a bold, blue, sans-serif font.
	<p>The device is intended for indoor use only and must not be exposed to rain.</p>	<p>Please read this manual before using the i-mop.</p>	<p>Read these safety instructions before using the device for the first time.</p>	<p>WARNING: Strong magnets.</p>	

## THANK YOU FOR PURCHASING THE i-mop CHARGER

Please read the important safety information and user instructions in this manual carefully before using the charger for the first time. This manual contains important information. Please keep it safe for future reference.

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### PRODUCT DESCRIPTION

Product identification

Product name: Charger

Model number: K.1.S.IMOPLCHARGER

### FUNCTION

This charging device is intended for use as a charger for i-mop Li-ion batteries only.

Battery specifications:

Battery operation: Lithium-ion

K.1.S.IMOPLBATTERY

Rated capacity: 12.48 Ah

Quantity: 1x

### TESTS PERFORMED:

1. The samples submitted were tested and found to comply with the requirements of the standard.
2. Designs of all alternative components were taken into account and are evaluated in this report.

### TEST LOCATION:

TÜV Rheinland (Guangdong) Ltd.

No. 199 Kezhu Road Guangzhou

Science City 510663

Guangzhou, China

### GENERAL PRODUCT INFORMATION:

The products discussed in this report comprise a class 2 (for indoor use only) charger and a removable flexible power cable ending in an approved three-core plug with ground connection for charging of Li-ion batteries with a maximum capacity of 30 Ah.

Capacity of model K.1.S.IMOPLCHARGER:

INPUT: AC 100–240 V, 3 A MAX. 50–60 Hz

OUTPUT: DC 29 V, 2.5 A

### IMAGE OF DEVICE LABEL



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## SAFETY INSTRUCTIONS

Your safety and the safety of others is important. Safe operation of this charger is an important responsibility. In addition to the information in this operating manual, you must also comply with all statutory safety and accident prevention regulations.

### Do not use the charger:

- Before you have read and understood this operating manual.
- Around flammable dusts, liquids or vapors.
- Around flammable liquids such as gasoline, oil, acids or other volatile substances.
- Outdoors or in a potentially explosive atmosphere.
- If it is dirty or wet.
- Over plug sockets, to prevent electric shock.
- If any parts are damaged or have been removed.
- If you are under 18.



### DANGER

Flammable materials may cause an explosion or fire.



### WARNING

Flammable materials may cause an explosion or fire.



### CAUTION!

- Only charge original i-mop lithium-ion batteries – other batteries may explode, causing personal injury and property damage.
- Inspect the power cable regularly for signs of damage.
- Do not use the charger in an enclosed cabinet. Use only in a ventilated room.
- Do not use the charger if it is damaged.
- If the charger power cable is damaged, it must be replaced by a charger power cable supplied by the manufacturer.
- Protect the charger against moisture and keep it in a dry place.
- The charger is suitable for indoor use only. Do not use outdoors.
- Do not use the charger if it is wet.
- Do not expose the charger to rain.
- Do not charge the batteries if the temperature is below 0°C/32°F.
- Mains voltage must correspond to the voltage specified on the charger name plate.
- Do not use the charger in a potentially explosive atmosphere.
- Do not carry the charger by the power cable.
- Do not touch the power cable or plug in the charger if you have wet hands.
- Do not remove the plug by pulling on the power cable. Hold the plug and not the cable when unplugging it from the socket.
- Do not cover the charger during use.
- Do not open the charger. Repairs should be carried out only by personnel authorized by the manufacturer.
- Do not charge a damaged battery.
- Do not charge batteries if they are wet – batteries may only be charged when dry.
- Do not use the charger to charge non-rechargeable batteries.
- Do not leave batteries in the charger. Remove them when they are fully charged to prevent self-discharge.
- Batteries should not be stored or charged in direct sunlight.
- Batteries should not be charged in an unventilated area where the temperature is above 30°C/86°F.



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## HEALTH HAZARDS

- The chemicals in the batteries are located inside a sealed container.
- They pose a chemical hazard only if batteries are misused or damaged.
- Skin and eye contact with electrolytes and lithium should be avoided.
- Contact with a damaged or leaking battery can result in chemical burns.

## FIRST AID

If you come into contact with battery chemicals, do the following:

### Eyes

- Flush the eyes with plenty of water for at least 15 minutes, holding the upper and lower eyelids open from time to time.
- Seek medical attention.




### Inhalation

- Leave the area in which the contact occurred immediately and seek fresh air. Use oxygen if available.
- Seek medical attention.

### Ingestion

- Give the person at least two glasses of milk or water. Induce vomiting if the patient is conscious.
- Seek medical attention.

## CONTENTS

1		1 charger
2		1 power cable
3		1 manual

Ensure that no items are missing and compare contents with the above list. If one of the items listed is missing, contact your i-mop dealer.

## VOLTAGE SPECIFICATION

- The working range is 17~20.5 Volt (= 0–100%).

**To prevent a reduced battery life due to self-discharge, batteries should be removed from the charger when it is not used for more than two days.**



## INITIAL SETUP

Connect the power cable supplied to the charger before connecting it to the mains.

### To charge batteries:

Connect to the AC power supply. If the green switch is set to off, switch it on and then insert the batteries. Follow this sequence carefully!

- Universal input: 100~240 50/60 Hz
- Output with short circuit-proof protection function. (In standby mode, the output voltage must be 0 V. This also protects against electric shock when batteries are connected to the charger.)
- The red LED illuminates to signal that the battery is fully discharged. Charging will begin within 3 seconds and the green LED will start to flash. If the red LED does not stop flashing, this means that the battery is damaged and cannot be recharged.
- The charger is designed to ensure that batteries cannot be inserted with the polarity reversed.
- The LCD display on the charger shows charge status and battery capacity.
- When the charging current falls below 500 mA, the battery is fully charged. The green LED switches ON, the LCD display shows the status "fully charged" and the charging current switches OFF.
- The charger will stop the battery discharging itself slowly when there is no mains socket.
- If a fully charged battery is left in the charging station for a long period and the battery voltage falls to 20.5 V, the charger will recharge the battery automatically.
- If during a quick charge the LED goes out and the LCD display goes blank it means that the battery management system has determined that the battery is fully charged, even if the display does not show 100%.

### Display

DISPLAY		
Status	Red LED	Green LED
Standby	Off	Flashes at 10%
Charging	Off	Flashes at 50%
Bat. Full	Off	Illuminates
Fault	flashes	Off

## TECHNICAL DATA

SPECIFICATIONS	METRIC	IMPERIAL
<b>DIMENSIONS</b> (L x W x H)	174 x 80 x 50.5 mm	6.85 x 3.15 x 1.99 inches
<b>INPUT</b>	AC 100~240 V 1-2.3 A MAX 50-60 Hz, class 1	AC 100~240 V 1-2.3 A MAX 50-60 Hz, class 1
<b>OUTPUT</b>	DC 20.5 V, 2.5 A	DC 20.5 V, 2.5 A
<b>WEIGHT</b>	0.5 kg	1.1 lbs
<b>PACKAGING DIMENSIONS</b> (L x W x H)	210 x 130 x 60 mm	8.27 x 5.12 x 2.36 inches

## ENVIRONMENT



The packaging material is recyclable. Please do not dispose of it with household waste. Please recycle it.

Old appliances contain valuable materials which can be recycled.



Rechargeable battery packs contain materials which should not be disposed of in landfill. Please dispose of old appliances and batteries at the appropriate collection points.

## WARRANTY

The warranty terms published by our i-partners apply in their respective countries. Please register your i-mop to ensure that we will repair any faults in your equipment free of charge during the warranty period, provided that such faults are due to defective materials or manufacturing defects. To make a warranty claim please contact your dealer or nearest authorized customer service center. Please provide proof of purchase.

## TROUBLESHOOTING

	PROBLEMS	SOLUTIONS
1	THE BATTERY WILL NOT CHARGE	<ol style="list-style-type: none"><li>1. Check all cables and the polarity of the connection.</li><li>2. The battery cannot be recharged after it has been deeply discharged. In this case please contact the battery manufacturer.</li></ol>
2	THE RED LED FLASHES AFTER 8 HOURS	Disconnect the battery from the charger.

## CE DECLARATION

We declare that the i-mop charger described below, both in its basic configuration and design and in the version distributed by us, complies with the relevant standard health and safety requirements under the relevant EU directives. This declaration will be invalidated if the appliance is modified without our prior approval.

### Declaration of conformity

**EG/EC**  
KONFORMITÄTSERKLÄRUNG  
DECLARATION OF CONFORMITY

Wir **Future Cleaning Technologies B.V., Hoppenkuil 27b, 5626 DD Eindhoven**

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Erklären in alleiniger Verantwortung, dass das Produkt **Schleusaugmaschine**  
Declare under our sole responsibility that the product **Scrubber-dryer**

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**i-Mop Battery Charger**  
(Art der Maschine / Type of machine)

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**S.72.0209.0**  
und folgendes / and following  
(Modell = Seriennummer; Baujahr / model = serial number; year of production)

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auf das sich diese Erklärung bezieht, mit den folgenden Normen übereinstimmt.  
to which this declaration relates is in conformity with the following standards.

CB report issue base on  
IEC 60335-2-29:2002 +A1 +A2  
IEC 60335-1:2010 +A1

2014/30/EU Elektromagnetische Compatibility  
2014/35/EU Low Voltage Directive  
EMC  
EN 55022:2010+AC:2011  
EN 55024:2010  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
LVD  
EN 60335-1:2012/A11:2014  
EN 60335-2-29:2004/A2:2010  
EN 62233:2008

(Titel und/oder Nummer sowie Ausgabedatum der Norm(en) oder der anderen normativen Dokument(e)  
(Title and/or number and date of issue of the standard(s) or other normative document(s))

gemäß den Bestimmungen der Richtlinien:  
follow the provision of objectives:

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Eindhoven, 01.03.2017

(Ort und Datum der Ausstellung)  
(Place and Date of issue)

**Frank van de Ven**  
Director  
(Name und  
Unterschrift oder gleichwertige Kennzeichnung des  
Belegten)  
(name and signature or equivalent marking of  
authorized person)



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