

# Floe

## Solar Lamp



# User's Manual

## Before Use

Please read this manual thoroughly, then carefully store it.

- When this appliance has its solar panel face in the direction of the sun, its built-in Ni-MH batteries get charged with the solar energy and the lamp lights up.
- Since sunlight is the source of energy, please choose a place where the solar panel can be under direct sunlight for as long as possible.
- Please insert included Ni-MH batteries correctly according to their polarity (+ / -) by opening the panel cover.
- The porcelain body is finished by hand. Please are individual differences.

## Set

- Porcelain body ×1
- Original USB cable (1.5m) ×1
- Ni-MH battery ×3
- User's Manual (this sheet) ×1

## Specifications

Usable temperature range / 0°C~+40°C,+32°F~+104°F

Usable humidity range / Max.90% \*No condensation

### Battery /

Power source : Nickel-metal-hydride battery (Ni-MH)

Capacity : 3.6V 750mAh x3

Charge life : Can be charged up to approx.500 times

USB charge (input) / 5V MAX500mA

Solar panel output / 5V MAX80mA (illumination in fine weather: 100,000 Lux)

### Charging time /

Solar charging : Approx.6~12 hours (in fine weather)

USB charging : Approx.4~5 hours

### Continuation lighting time /

Solar charging : Approx.8 hours (with full battery charge)

USB charging : Approx.8 hours (with full battery charge)

### Light /

Light source : White LED 5000K

LED life : Approx.40,000 hour

Size / Approx.W170xD90xH146mm

Weight / Approx.670g

Materials / Porcelain,ABS

\*Product specifications are subject to change without prior notice for the sake of making improvements.

## Precautions for Use

Please read carefully before using and use the appliance correctly.

### Meanings of pictograms

- ⚠ Indicates warnings and reminders.
- 🚫 Indicates prohibited items or actions.
- 🔧 Indicates mandatory items, actions and instructions.

**⚠ Warning** There is a risk of death or serious injury when handled incorrectly.

- 🚫 This appliance is not waterproof or dustproof. Do not leave it outdoors or put it in water. Also, please do not use / charge in a place with high humidity, a place exposed to water or handle with wet hands.
- 🚫 There is a risk of short-circuit and electric shock. Do not disassemble, repair or remodel the appliance. There is a risk of fire, abnormal operation and injury.
- 🚫 Do not insert metal objects such as pins and needles or foreign objects into gaps of the appliance. It may cause failure. Also, it may cause fire or electric shock.
- 🚫 Do not use near firearms or near flammable objects. Do not use in places where oil, smoke, steam, etc. are in direct contact, such as a cooking tables or near humidifiers. It may cause fire or malfunction.
- 🔧 Please stop using immediately if abnormalities such as overheating, smoke, etc. occur.
- 🔧 Avoid surroundings with obstacles and unstable surfaces. Please use the appliance on a level and stable surface.
- 🔧 Falling may damage the porcelain and cause injury.
- 🔧 Be sure to use the original USB cable (included) when charging this appliance with a USB port.

**⚠ Caution** There is a risk of injury or material damage.

- 🚫 Please do not use for other than the original purpose. It may cause malfunctions and failures.
- 🚫 Do not drop or expose to strong shocks. It may cause the product to break.
- 🚫 Do not leave the appliance in a place that can become hot, such as inside a car or near a heating appliance. It may cause deformation or failure of the appliance, leakage of the built-in rechargeable batteries, overheating. Also, in case the solar panel overheats, it can become a cause of burns.
- 🔧 Please insert the USB plug cable firmly into the base.
- 🔧 Please use out of reach of children.
- 🔧 Please remove the rechargeable batteries when not using the appliance for a long time. Otherwise battery leakage or failure can occur.

## Care & Cleaning

### < Porcelain >

- 🔧 When dirty wash the surface with a neutral detergent and a soft sponge.
- 🚫 Do not use scrubbing or abrasive materials, etc. since they may scratch or otherwise damage the surface.

### < Solar panel >

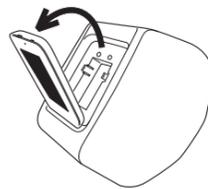
- 🔧 If the surface becomes dirty, wipe it with a soft cloth etc. and keep it clean to guarantee efficient charging.
- 🚫 Please do not use thinners, benzene, gasoline and cleansers etc. of any kind.

## How to replace the Ni-MH batteries

Open the panel cover and replace the rechargeable batteries.

⚠ There is a risk of short-circuit if metal parts, wiring, circuit boards, etc. are touched with hands or a screwdriver, so please be careful.

- 🔧 If you want to purchase new rechargeable batteries, please contact h concept.



## Caution

### < Advice on battery handling >

- 🚫 Do not use primary batteries.
- 🚫 Do not use other than included rechargeable batteries (Ni-MH battery × 3 pcs, 3.6 V 750mAh).
- 🔧 When inserting rechargeable batteries, please do so correctly according to their polarity (+ / -). When inserted mistakenly, it will be a cause of failure, battery rupture and leakage.
- 🔧 Do not touch the liquid if it leaked from the rechargeable batteries. In case of contact with eyes, it might become a cause of serious disorders such as blindness. Do not rub, immediately rinse thoroughly with plenty of clean water and receive medical treatment. In case of contact with hands or clothes, please wash off thoroughly with plenty of clean water.

### < Disposal of Ni-MH batteries >

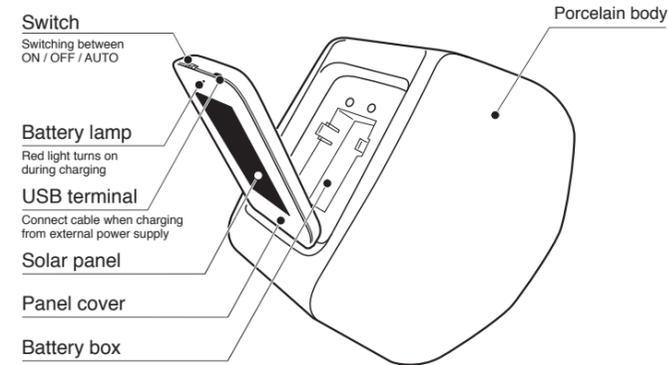
Ni-MH batteries can be recycled. When disposing of this appliance, remove the Ni-MH batteries and take them to a certified recycling agent.



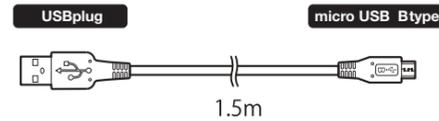
Ni-MH

# Product features

## Names of parts and their functions



Original USB cable (Included)



# Advice on charging

## Charging method

- There are two charging methods: solar and USB.
- When solar charging and USB charging are done at the same time, USB charging has the priority.
- It is a characteristic feature of the built-in Ni-MH batteries to self-discharge and lose their level when not in use.

- 🔧 Be sure to charge the batteries before first use or after not having used for a long time.
- 🔧 Check the appliance regularly (once a month), remove the rechargeable batteries and check for signs of corrosion inside the appliance.
- 🔧 To compensate for self-discharge, please keep the appliance in a place with as much light as possible (near a window, under the lights, etc.), and top up the charge.
- 🔧 When charging please keep the appliance in environments with temperatures within the range of 10°C~+40°C, +50°F~+104°F.

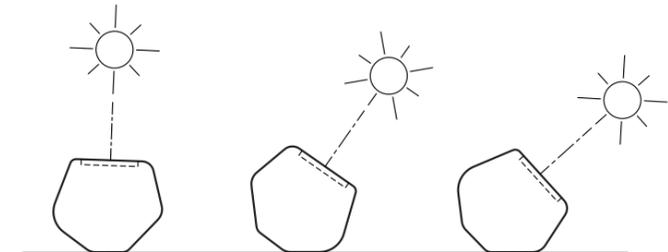
## < Recharging function from the solar panel >

Have the solar panel of the appliance face towards the sun and charge the built-in rechargeable batteries using sunlight.

- ⚠ Solar panels used in this appliance cannot be charged with light from general lighting equipment.
- 🚫 Not waterproof or dustproof. Do not leave it outdoors or put it in water.
- 🔧 Solar panels are protected with high strength epoxy resin. Even if there are a few scratches, there will be no problems with their function, however please be as careful as possible not to scratch the surface.

You can change the angle of the appliance according to the position of the sun, which varies depending on your location and the season.

\*Cities with similar values of solar exposure angle during spring and autumn.



Singapore  
Jakarta  
Nairobi

Tokyo  
California  
Sydney

Paris  
Portland  
Ulan Bator

## < Switch mode >

ON ... Lights on.

OFF ... Lights off.

AUTO ... Lights turn on automatically when surroundings become dark or when the panel is turned towards the bottom.

## < Solar charging >

Have the solar panel of the appliance face towards the sun and charge the built-in rechargeable batteries using sunlight.

Approximate charging time / Approx. 6~12 hours (in fine weather)

- Charging time is calculated based on the daylight brightness on a sunny summer day (Approx. 100,000 Lux).
- Charging time may become change depending on the usage environment and the amount of solar radiation.
- Charging lamp lights up in red during solar charging. To verify whether the appliance is charging, please make sure that the charging lamp is on.

- 🔧 Please use the appliance near a well lit window when the weather is clear, etc.
- 🔧 When charging, please position the appliance so its solar panel is as perpendicular to the sunlight as possible. In some cases charging may be impossible if a part of the solar panel is in the shade. Please adjust the position and the angle so that the light hits the entire surface of the solar panel.

⚠ Charging may become impossible or take longer in cases when trying to charge with sunlight passing through frosted glass, UV-cut glass or glass with film on it.

⚠ Solar panels used in this appliance cannot be charged with light from general lighting equipment.

⚠ If exposed to direct sunlight for a long time, the temperature inside the appliance may rise and it may be impossible to charge the batteries normally.

## < USB charging >

USB charging is done by connecting the appliance to the AC power adapter of a USB charger.

Approximate charging time / Approx. 4~5 hours

- The charging lamp for USB charging will light up in red and charging lamp will go out when charging is complete.

- 🔧 Please carefully read the manual of the USB charger's AC power adapter you plan to use or the manual before connecting the appliance.
- 🔧 When connecting / disconnecting the USB cable, please hold it by the plug. Interruption may be caused if the cable is pulled directly.