

Violetta Solargear VS01

Operating Instructions

Thank you very much for purchasing our product. Please read this manual thoroughly before using this product, and retain it for future reference in order to use the product safely, and to make the most of its features. If you use other products together with this product, please read the operating instructions of those products thoroughly before use as well.

Concepts

- A global, economical and environmentally friendly power source for anyone on the planet.
- An ideal companion for mobile appliances with its size, weight, compatibility, expandability and charging on-the-go design.
- A reliable and durable outdoor tool with its simple and robust structure.

Applications

- Designed for charging 2 pieces of AA or AAA **Violetta** Ni-MH rechargeable batteries (sold separately) at the same time by sunlight. The batteries can be charged faster by interconnecting 2 or more units with **DC Power Cables** (sold separately).
- Designed for charging the batteries of DC4V-6V appliances, such as cellular phones, PDAs, and audio/visual devices with **USB Power Adaptors** (sold separately) and with widely available USB charger cables.
- Designed for powering DC3V appliances, such as audio/visual devices with **DC Power Cables**.

Features

- Equipped with the most efficient single crystalline silicon solar cells for the maximum power generation for its size.
- Made of UV resistant polycarbonate and special polymer materials capable of withstanding maximum abuse under the sun.
- Equipped with a reverse current prevention circuit, a solar power indicator and a battery status indicator for carefree operations, and 2 DC in/out jacks for the maximum expandability.
- Packed with an AAA battery holder.

Important Safety Instructions

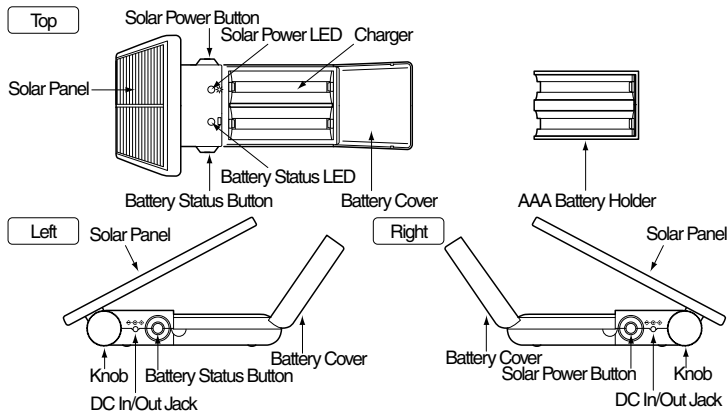
Caution Please follow the instructions below. Failure to comply may damage this device, cause the built in battery to burst or result in leakage, fire and injury.

- Charge only AA or AAA **Violetta** Ni-MH rechargeable batteries. Primary batteries may leak, catch fire or burst causing personal injury and damage.
- Do not charge the batteries with a different electrical capacity at the same time.
- Do not charge the batteries in the reverse polarity.
- Stop charging in case of leakage from the batteries.
- Stop charging in case the batteries become unusually hot.
- Do not connect unauthorised cables or adaptors to the DC in/out jacks.
- Do not touch metal objects to the DC in/out jacks.
- Do not short circuit, or disassemble this charger.
- Do not put this charger into water.
- Do not leave this charger near fire, in the car of high temperature, or in a place subject to rain or snow.

Important Note

- We are not responsible for any physical damage to the appliances, any loss of memorized data, any interruption of business, and any loss of business opportunities caused by this product.

Feature Diagram

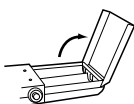


How to Use

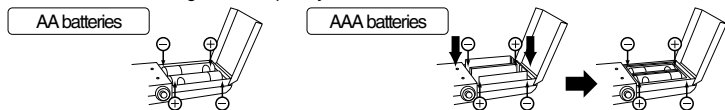
- Please follow the instructions below. **Violetta Solargear** can charge 2 pieces of AA or AAA **Violetta** Ni-MH rechargeable batteries (sold separately) simultaneously by sunlight. It cannot charge only 1 battery. It cannot charge the batteries by indoor lights, such as fluorescent light.

Loading the Batteries

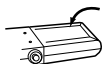
- 1 Open the battery cover.



- 2 To charge AA batteries, place 2 pieces of the batteries, observing the correct polarity. To charge AAA batteries, place the AAA battery holder, observing the correct polarity. Then, place 2 pieces of the batteries, observing the correct polarity.

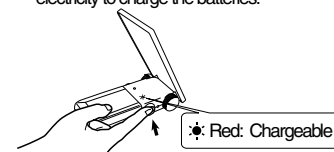
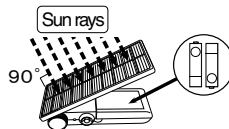


- 3 Close the battery cover.



Charging the Batteries

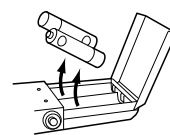
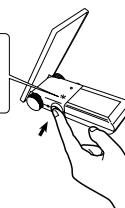
- 1 Face the solar panel to the sunlight, and **Violetta Solargear** starts charging the batteries. For the most efficient charging, adjust the direction and angle of the solar panel 90 degrees in opposition to the sun rays. You do not need to turn the knobs when you adjust the angle of the solar panel.
- 2 Press the solar power button on the right side of the charger to check the generation of electricity. If the solar power LED lights up red, **Violetta Solargear** is generating enough electricity to charge the batteries.



Note:
Charging stops while the button is pressed.

- 3 Press the battery status button on the left side of the charger to check the status of the batteries. The battery status LED indicates the status of the batteries as follows.
 - Green: Charged enough for regular use, but not necessarily fully charged.
 - Orange: Charged enough for emergent use.
 - No Light: Not charged.
- 4 Open the battery cover, and take out the batteries from the charger when you use the batteries.

● Green: Regular use
 ● Orange: Emergent use
 ○ No light: Not charged



Note:
You can keep the batteries charged when not in use by leaving them in the charger and facing it towards the sunlight regularly. **Violetta** Ni-MH rechargeable batteries are designed to stand high temperature and overcharging under sunlight, and **Violetta Solargear** is equipped with the reverse current prevention circuit to protect the batteries from discharging at nighttime without sunlight.

Note:
Check the status of the batteries while charging, or within 1 hour after you have finished charging for correct indications.

Note:
Charging stops while the button is pressed.

How to Clean

- Wipe the solar panel with a clean dried or dampened cloth, and the other parts with a clean dried cloth, as any dirt on the surface of the solar panel or on the electrode terminals lowers the charging efficiency. Do not use oil, solvents, petrol or paint thinners for cleaning **Violetta Solargear**.

Specifications

- Maximum output: 750mW (4.8V 155mA)
- Charge time:
 - 2 pieces of **Violetta VHAA1600** Ni-MH rechargeable Batteries: 14 hours to be fully charged under full sunlight
 - 2 pieces of **Violetta VHAAA800** Ni-MH rechargeable batteries: 5 hours to be fully charged under full sunlight
- Dimensions: 57.5 X 122.0 X 27.0mm (W X D X H)
- Weight: Approx. 125g
- Operating temperature: 0°C-45°C

Environmentally Friendly Package

- This package is made of recycled paper and recyclable PET.



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