1. Before Using

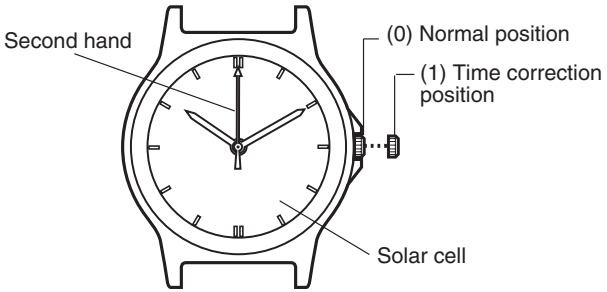
This watch is a solar-powered watch. Before using, charge the watch sufficiently by exposing it to light. In the case the watch has stopped running due to being insufficiently charged, expose it to sunlight or other intense light to recharge the watch sufficiently.

This watch uses a secondary battery to store electrical energy. This secondary battery is a clean energy battery that does not use mercury or any other harmful substances. Once fully charged, the watch circuit will continue to keep time for about 6 months without additional charging.

<Proper Use of Solar-Powered Watches>
In order to ensure that this watch is used comfortably, try to charge the watch as frequently as possible to prevent it from becoming insufficiently charged and stopping. There is no risk of overcharging this watch no matter how often it is charged (as a result of being provided with an overcharge prevention function). It is recommended to try to recharge this watch at least once a day.

2. Setting the Time

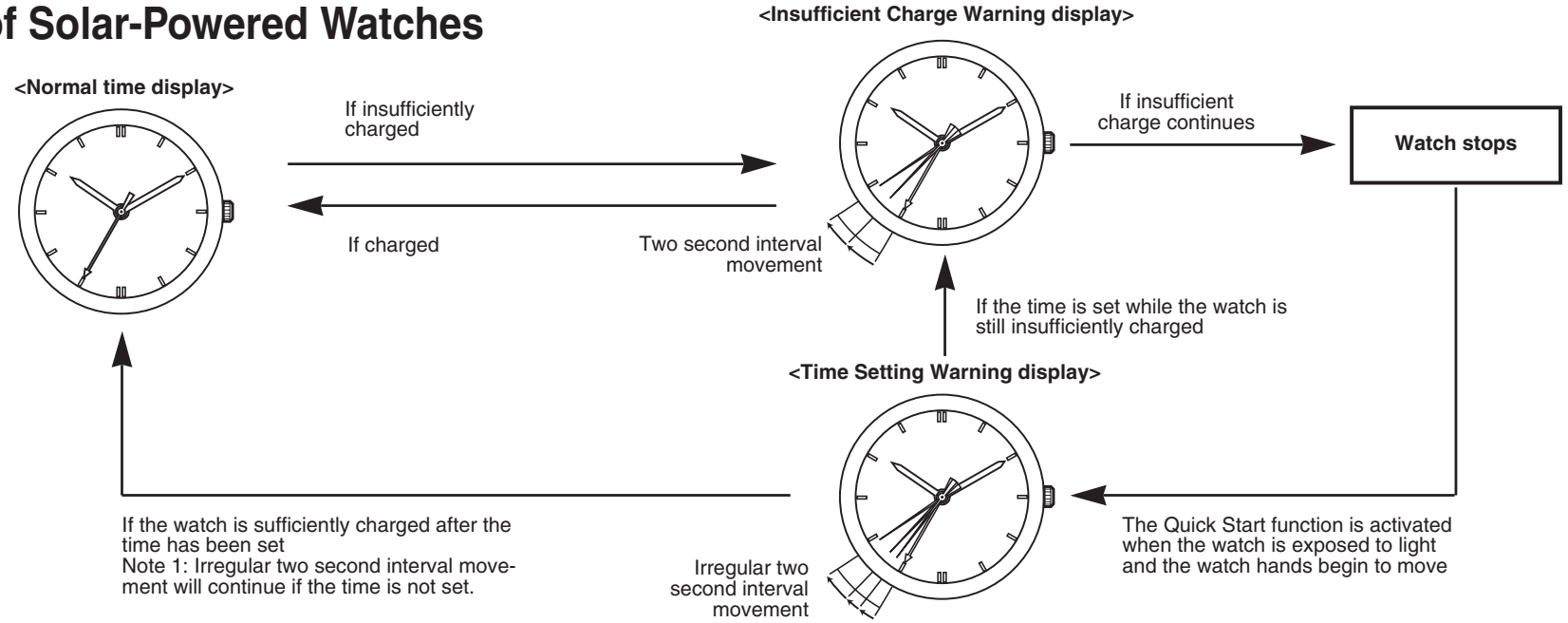
If the crown is of the screw-type, set the time after first loosening the screw by turning the crown to the left. Once the time has been set, securely retighten the screw by turning the crown to the right while pushing in after returning to the normal position.



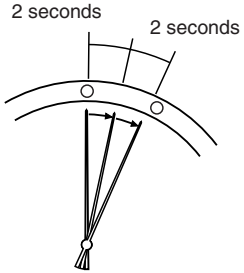
(1) Pull the crown out to the time correction position when the second hand has reached 0 seconds.
(2) Turn the crown to set the time.
(3) The watch starts to run when the crown is firmly pushed in to the normal position.

3. Unique Functions of Solar-Powered Watches

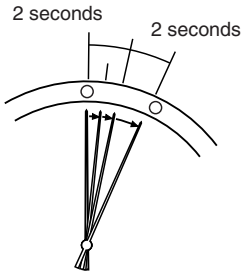
When this watch becomes insufficiently charged, the following warning functions are activated indicating that the watch is insufficiently charged.



Second hand moves at two second intervals



Irregular two second interval movement



<Insufficient Charge Warning Function>

The second hand moves at two second intervals to indicate insufficient charging. Although the watch will continue to keep time accurately, the watch will end up stopping if more than about 7 days elapse since the start of two second interval movement. At this time, recharge the watch by exposing to light until it returns to normal one second interval movement.

<Time Setting Warning Function>

Although the watch hands begin to move when the watch is exposed to light after it has stopped, since the time is incorrect, the second hand moves irregularly in 2 second intervals to indicate that the time is incorrect. When this happens, sufficiently recharge the watch and reset the time. Irregular two second interval movement will continue until the time is set.

<Overcharge Prevention Function>

Once the secondary battery becomes fully recharged, the overcharge prevention function is activated to prevent it from being charged further.

<Quick Start Function>

The watch stops when it becomes completely discharged. The watch hands begin to move after about 10 seconds when the watch is exposed to light (although the time until the hands begin to move varies according to the intensity of the light). However, please note that the watch may stop again since charging will be inadequate if the light is blocked at this time.

4. General Reference for Charging Times

Recharging time varies according to the watch model (such as the color of the dial). The times in the table below should therefore only be used as a rough reference.

* Charging time refers to the amount of time during which the watch is continuously exposed to light.

Illuminance (lx)	Environment	Charging time		
		One day usage	From the stopped state to one second interval movement	Full charge time
500	Inside an ordinary office	3 hours 30 minutes	73 hours	-----
1.000	Under a fluorescent lamp (30 W) at a distance of 60-70 cm (24-28 in)	1 hour 45 minutes	34 hours	-----
3.000	Under a fluorescent lamp (30 W) at a distance of 20 cm (8 in)	35 minutes	12 hours	132 hours
10.000	Outdoors, cloudy	10 minutes	3 hours 30 minutes	37 hours 30 minutes
100.000	Outdoors, summer and sunny under direct sunlight	4 minutes	35 minutes	13 hours 30 minutes

Full charge time: Time to fully recharge the watch after it has stopped.
One day usage: Time required for the watch to run at one second interval movement for one day.

5. Handling Precautions

<Try to Keep the Watch Charged at All Times>

Please note that if you wear long sleeves, the watch can easily become insufficiently charged as a result of the watch being covered and not being exposed to light. The watch will continue to run properly if it is placed in as bright a location as possible even when not being worn.

Charging Precautions

· Allowing the watch to reach high temperatures during recharging can damage the watch. Avoid recharging in locations that can reach high temperatures (about 60°C /140°F or higher).

Examples: · Charging by placing the watch in close proximity to a light source that easily becomes hot such as an incandescent lamp or halogen lamp.

· Charging the watch in a location that can easily become hot such as on an automobile dashboard

· When charging using the light from an incandescent lamp, charge while being careful that the watch does not become excessively hot by placing at a distance of at least 50 cm (20in) from the lamp.

6.Replacing the Secondary Battery

Unlike ordinary batteries, the secondary battery used in this watch can be repeatedly charged and discharged and is not required to be periodically replaced.

CAUTION

Never use another battery different from the secondary battery used in this watch.
The watch structure is so designed that a different kind of battery other than that specified cannot be used to operate it. In case a different kind of battery such as a silver battery is used by some chance, there is a danger that it will be overcharged to burst, causing damage to the watch and even to the human body.

7. Precautions

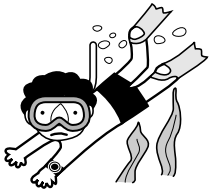
CAUTION: Water-resistance performance

There are several types of water-resistant watches as shown in the following table.

The unit "bar" is roughly equal to 1 atmosphere.

* WATER RESIST (ANT) xx bar may also be indicated as W.R. xx bar.

For correct use within the design limits of the watch, confirm the level of water-resistance of your watch, as indicated on the dial and case, and consult the table.

Indication		Specifications	Examples of use				
Dial	Case (Case back)		Minor exposure to water (washing face, rain, etc.)	Moderate exposure to water (washing, kitchen work, swimming, etc.)	 Marine sports (skin diving)	Scuba diving (with air tank)	Operation of the crown with moisture visible
WATER RESIST or no indication	WATER RESIST(ANT)	Water-resistant to 3 atmospheres	**OK**	**NO**	**NO**	**NO**	**NO**
WR 50 or WATER RESIST 50	WATER RESIST(ANT) 5 bar or WATER RESIST(ANT)	Water-resistant to 5 atmospheres	**OK**	**OK**	**NO**	**NO**	**NO**
WR 100/200 or WATER RESIST 100/200	WATER RESIST(ANT) 10 bar/20 bar or WATER RESIST(ANT)	Water-resistant to 10/20 atmospheres	**OK**	**OK**	**OK**	**NO**	**NO**

- Water-resistance for daily use (to 3 atmospheres): This type of watch is water-resistant to minor exposure to water. For example, you may wear the watch while washing your face; however, it is not designed for use underwater.
- Upgraded water-resistance for daily use (to 5 atmospheres): This type of watch is water-resistant to moderate exposure to water. You may wear the watch while swimming; however, it is not designed for use while skin diving.
- Upgraded water-resistance for daily use (to 10/20 atmospheres): This type of watch may be used for skin diving; however, it is not designed for scuba or saturated diving using helium gas.

CAUTION:

- Be sure to use the watch with the crown pressed in (normal position). If your watch has a screw-type crown, be sure to tighten the crown completely.
- Do NOT operate the crown with wet fingers or when the watch is wet. Water may enter the watch and compromise water-resistance.
- If the watch is used in seawater, rinse with fresh water afterward and wipe with a dry cloth.
- If moisture has entered the watch, or if the inside of the crystal is fogged up and does not become clear within a day, immediately take the watch to your dealer or Citizen Service Center for repair. Leaving the watch in such a state will allow corrosion to form inside.
- If seawater enters the watch, place the watch in a box or plastic bag and immediately take it in for repair. Otherwise, pressure inside the watch will increase, and parts (crystal, crown, buttons, etc.) may come off.

CAUTION: Keep your watch clean.

- Leaving dust and dirt deposited between the case and crown may result in difficulty in pulling the crown out. Rotate the crown while in its normal position from time to time to loosen dust and dirt and then brush it off.
- Dust and dirt tend to be deposited in gaps in the back of the case or band. Deposited dust and dirt may cause corrosion and soil your clothing. Clean the watch occasionally.

Cleaning the Watch

- Use a soft cloth to wipe off dirt, perspiration and water from the case and crystal.
- Use a soft, dry cloth to wipe off perspiration and dirt from the leather band.
- To clean a metal, plastic, or rubber watchband, wash away dirt with water. Use a soft brush to remove dust and dirt jammed in the gaps in the metal band.

NOTE: Avoid using solvents (thinner, benzine, etc.), as they may mar the finish.

CAUTION: Operating environment

- Use the watch within the operating temperature range specified in the instruction manual.
  Using the watch where temperatures are outside the specified range may result in deterioration of functions or even stoppage of the watch.
- Do NOT use the watch in places where it is exposed to high temperature, such as in a sauna.
  Doing so may result in a burn.
- Do NOT leave the watch in a place where it is exposed to high temperature, such as the glove compartment or dash-board of a car.
  Doing so may result in deterioration of the watch, such as deformation of plastic parts.
- Do NOT place the watch close to a magnet.
  Timekeeping will become inaccurate if you place the watch close to magnetic health equipment such as a magnetic necklace, a magnetic latch of a refrigerator door,handbag clasp or the earphone of a mobile phone. If this has occurred, move the watch away from the magnet and reset the time.
- Do NOT place the watch close to household appliances that generate static electricity.

  Timekeeping may become inaccurate if the watch is exposed to strong static electricity, such as is emitted from a TV screen.
- Do NOT subject the watch to a strong shock such as dropping it onto a hard floor.
- Avoid using the watch in an environment where it may be exposed to chemicals or corrosive gases.
  If solvents, such as thinner and benzine, or substances containing such solvents come in contact with the watch, discoloration, melting, cracking, etc. may result. If the watch comes in contact with mercury used in thermometers, the case, band or other parts may become discolored.

Periodical inspections

Your watch requires inspection once every two or three years for safety and long use.
To keep your watch water resistant, the packing needs to be replaced regularly.
Other parts are required to be inspected and replaced as necessary.
Ask for Citizen geuine parts during replacement.

8. Specifications

- **Cal. No.:** G43*
- **Type:** Thin analog solar-powered watch
- **Accuracy:** Within ±15 seconds per month on average (when worn at normal temperatures: +5°C to +35°C / 41°F to 95°F)
- **Operating temperature range:** –10°C to +60°C / 14°F to 140°F
- **Display functions:** Time: hours, minutes, seconds
- **Additional functions:**
  Insufficient charge warning function
  Time setting warning function
  Quick start function
  Overcharge prevention function
- **Continuous operating times:**
  From fully charged to stop: Approx. 6 months
  From two second interval movement to stop: Approx. 7 days
- **Battery:** Secondary battery

* Specifications are subject to change without notice.