

# JACK MASON

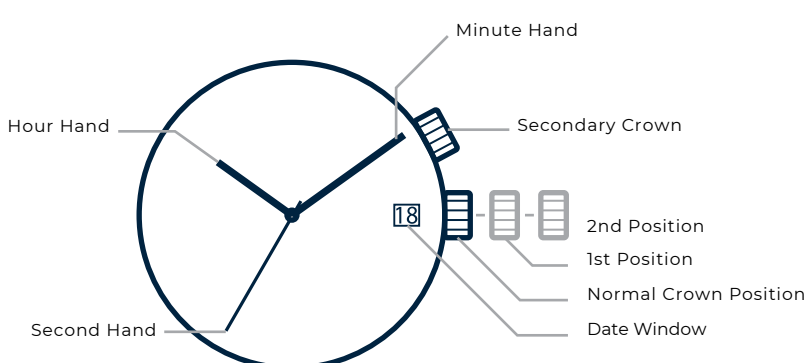
## OVERLAND

Solar Watch

JM-F111-011



### Epson Caliber No. VS42 Function



#### Setting The Time:

1. Pull the crown out to the 2nd Position when the Small Second Hand is at the 12 o'clock position.
2. Turn the crown to set Hour and Minute Hands. Take am/pm into consideration when setting the hour and minute hands to the desired time.
  - \* When setting the Minute Hand, advance it 4 to 5 minutes ahead of the desired time and then turn it back to the exact time.
3. Push the crown back to Normal Position.

#### Setting The Date:

When the date changes during daytime, it happens when am/pm is wrongly set. Advance the hour hand by 12 hours.

1. Pull the crown out to the 1st Position.
2. Turn the crown to set Date.
  - \* Set the date between the hours of 2:00 am to 8:00 pm to ensure the date changes the following day.
3. Push the crown back to Normal Position.

#### Features of the Solar Watch:

This watch is a solar-powered watch containing a solar cell underneath the dial to convert any form of light into "electrical energy" and store the power in a secondary battery.

Unlike conventional quartz watches, this watch does not use a silver oxide battery, thus eliminating the need for battery replacement.

1. Running time – Expected running time from full charge to stoppage will be around 6 months.
2. Quick Start Function – It starts running within a few seconds after exposure to a light more than 1000 Lx.
3. Over Charge Prevent Function – If the secondary battery is charged more than predetermined voltage, over charge prevent function is operated to prevent the secondary battery deterioration and breakage.

#### Power Depletion Warning Function:

When the battery charge nears its end, the second hand moves at two-second intervals instead of the normal one-second intervals. In that case, place the watch in a good source of direct light to recharge the battery.

#### How to Charge and Start the Watch:

Charging the watch:

1. Expose the watch to sunlight or strong artificial light (of more than 1,000Lx).
  - When the watch has stopped operating, the second hand will start moving at two-second intervals.
  - The second hand immediately starts moving at two-second intervals, but the energy stored in the secondary battery is not yet sufficient. If the watch is turned away from the light, it may stop operating.
  - It is not necessary to charge the watch fully. It is important, however, to charge the watch sufficiently, especially in the case of initial charging.
2. Keep the watch exposed to the light until the second hand moves at one-second intervals.
3. When the watch is charged after it has completely stopped set the date and time before wearing the watch.

\* When you start the watch or when the energy remaining in the secondary battery is very low, charge it sufficiently by exposing the watch to light.

Caution:

When charging the watch, do not place it too close to fluorescent lamp or other light sources as the watch temperature will become extremely high, causing damage to the parts inside the watch.

To Prevent Energy Depletion:

Avoid covering the watch face with your clothing while wearing it.

When the watch is not in use, leave it in a bright lit place for as long as possible. Make sure that the watch temperature does not exceed 50° Celsius.

Guidelines for Charging Time:

ILLUMINATION (Lx)	LIGHT SOURCE	ENVIRONMENT	SIX MONTH FULL CHARGE	ONE DAY OF POWER
3,000	FLUORESCENT		47 Hrs	15 Min
10,000	SUN LIGHT		13 Hrs	4 Min
100,000			5 Hrs	1 Min

#### Rotating Compass Bezel



How To Use Compass (Northern Hemisphere):

1. Find the sun's position in the sky.
2. Holding the watch level, point the hour hand in direction of the sun.
3. Rotate the compass bezel using secondary crown until the South marking is between the hour hand (sun's position) and 12 o'clock.
4. Once South is set, you can use the rest of the directionals.

NOTES: \* For Southern Hemisphere use "North" marker instead of "South".

\* Watch should be set to standard time, not daylight savings.

\* This method can only provide a very general bearing, and should not be relied upon for precise orienteering.