



MOVEMENT SPECIFICATIONS
CAL. 8S11 BY CITIZEN WATCH CO., LTD. JAPAN
ANALOG SOLAR CELL MOVEMENT
MADE IN JAPAN

1. BASIC SPECIFICATION

(1) CAL. NO.

CALIBRE	8S11
Size	Φ23.7mm
Total thickness	3.43mm*
Hands	3
Date	

*THICKNESS including solar cell

(2) Battery

Rechargeable Battery

Size : Φ6.0 x 2.2mm

(3) Solar cell

Type : Amorphas Silicon Solar-cell

(4) Time standard

Type of oscillator: Turning fork type quartz crystal

Oscillation : 32,768Hz

Accuracy : ±20 second/month worn under normal circumstances.

(5) Duration of Operation

After full-charge, the watch can run for **about 60 DAYS** without the solar-cell dial being exposed to the light and/or sun.

Before use, The watch should be fully charged and the time reset correctly.

(6) Additional functions

Second hand stopping device (for reset and power-saving)

Quick start position (within 10 seconds under 500 Lux*)

* when the rate of transparency of dial is 100%

Overcharge prevention device (at over 2.60 voltage)

Warning time resetting

provides a warning for the time to be set. (The hitch movement of the second hand serves this purpose)

Warning for recharge

provides a warning for recharged. (The one-second interval movement turning to the two-second interval movement serves this purpose.)

(7) Balanceable weight of hands

Minute hand Max 40mg - mm
 Second hand Max 7mg - mm

(8) Separated parts

Transparent dial 311-080 --- Patent Pending ---
 Setting stem (x1) 065-379

* Setting stem
 065-379

Length of movement center to stem 20.03mm
 Thread 0.9Φmm x 12.19mm

(9) Marking on movement

NO JEWELS
 8S11
 MIYOTA CO., JAPAN

(10) Typical clearance

Between case and movement

Battery strap - case back : Typical 150μ (without battery strap)

Hand - grass : 300μ ~ 400μ *

* Depending on hand Length

(11) Charging time (Less than 50% of Rate of Transparency must be avoided)

Rate of Transparency of dial ----- 100% (No printing on dial)

	For Full-Charge	For One day operation
In ordinary office (500 Lux)	124 hours	1.2 hours
Cloudy day-out side (10,000 Lux)	6.2 hours	3.6 minutes
Direct sunshine in summer time (100,000 Lux)	2.4 hours	1.2 minutes

Rate of transparency of dial ----- 70%

	For Full-Charge	For One day operation
In ordinary office (500 Lux)	177 hours	1.7 hours
Cloudy day-out side (10,000 Lux)	8.9 hours	5.1 minutes
Direct sunshine in summer time (100,000 Lux)	3.4 hours	1.5 minutes

The specification might be changed without notice