

SB-1059 Solar and Cranking Radio**Working principle:**

This product adopts the principle of cranking or solar-energy for power generation to charge its built-in 300mAh/2.4V chargeable battery. The radio circuit adopts high sensitive radio chip CXA1691BM.

Functions:

1. Cranking for power generation.
2. Solar-energy for power generation.
3. FM/AM/WB radio function.

Features:

1. Cranking or solar-energy for power, high efficiency, environmental friendly and economy.
2. Unique and lovely sculpt, comfortable design.
3. High sensitive FM/AM/WB radio reception which adopts CXA1691BM radio chip.
4. Earphone and speaker output, the volume can be adjusted.
5. Low noise and high efficiency, low power consumption, long radio time.
6. Convenient to use.

Main Technical Parameter:

Item	Parameter	Unit	Item	Parameter	Unit
FM frequency range	87-108	MHZ	Switch lifetime	≥ 5000	Times
AM frequency range	530-1600	KHZ	The lifetime of the whole unit	≥ 5	Year
WB frequency range	149-186	MHZ	The lifetime of the plastic part	≥ 5	Year
Power of audio frequency	≥100	Mw	Radio time after fully charged	> 7	Hour
FM acuition	15	uV	Charging time by sun light	35-40	Hour
AM acuition	3	mV/m	Max current of solar-energy	≥ 20	mA
Radio time after 1 minue cranking	> 20	Minute	Radio time after charging 5 hours by sun light	> 30	Minute

Operation Method:**Charge by cranking:**

Unlock the handle and crank it at the speed of 2-3 circles per second to charge, the charging indicator lights at this time.

Charge by solar-energy:

Make the solar panel of this product under the sun or blazing light to charge the built-in battery.

Radio:

1. Turn the volume switch clockwise to turn on the radio and amplify the volume.
2. Push the "FM/AM/WB Switch" to find the wave band which you want. Turn the "tune knob" to select station.
3. If the radio is inefficient, you can draw out and turn the antenna for FM, or change the direction of the product for AM.
4. Turn off the radio: turn the volume switch anticlockwise to turn it off.

Cautions:

1. Pay attention to the holding gesture when cranking so as not to hurt your fingers.
2. Do not place this product in where temperature or humidity is high.
3. Crank it as even as possible (keep rotating steady). Too slowly cranking would make current weak and prolong the charging time, and too violent cranking possibly damages the power

driving system.

4. In order to protect the battery's using life and the product's mechanical life, do not crank it for power continuously for more than 10 minutes. And Crank it one time for no less than 1 minute per month
5. Try your best to avoid places like high building, basement and so on which will affect the effect of the radio.
6. This product will be a little hot when cranking for a long time.
7. Keep the volume moderate when listening to the radio in case of influence your hearing.

Size and Weight:

Size: 84*78*56 mm

Weight: 206 g