

Solar water purifier



KTN-SWP-※

(※ depending on the type)

Purify fresh water from river, rain water into drinkable water by removing harmful matter (bacteria, virus, chemicals, heavy metal) by RO membrane.

You can charge from 3 types of power supply.



Solar panel



Household outlet



Car battery



It has 2 types of power supply functions.



USB port



Cigar socket



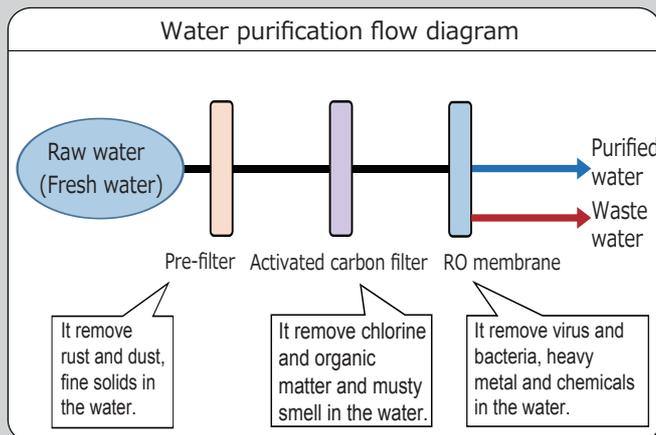
■ SOLAR WATER PURIFIER ~SOLAMIZU~

[SOLAMIZU] is a RO water purifier with power generation by solar module and storage function with built-in battery.

Type	Type S	Type L
Solar panel output	Max 30W	Max 50W
Battery capacity	153Wh(Li-ion)	200Wh(Li-ion)
Charge time	About 5h(When sunny)	
Amount of water purification	Max 12L/hour(at25°C)	Max 30L/hour(at25°C)
Filter specifications	Pre-filter×1 Activated carbon filter×1 RO membrane×1	Pre-filter×1 Activated carbon filter×1 RO membrane×3
Drive time	About 5.5h (Max charge)	About 7h (Max charge)
Raw water condition	Freshwater(tap water, river water, well water , lake water etc.) Water temperature : 4~45°C(Not frozen) Freshwater fish can lives. ※Can not use following water. Waste water and water that contain many chemicals, water that contain oils.	
Environmental condition	Temperature : 4~45°C(Not frozen) Humidity : 25~85%RH(Not condensation)	
Pump ability	Rated voltage : DC24V Suction height : 2m	
Size	W550×D460×H170	W690×D550×H170
Weight	12.5kg	16kg

■ Characteristic

- Easy to set up
Turning the solar panel to the sun, purification can be done just by turning on the switch.
- 3 types of power supplies are available.
Solar panel
100-240V Household outlet
12V battery for car
- Power supply function
USB terminal installed.
It can store electric power in the battery by solar panel, and can supply power to mobile phone.
- Water purification capacity
Purify drinking water for 100 people per day when Type L.
※With 1 person of drinking water 3 liters per day, When the device is operated for 10 hours.



A comparison of RO membrane and other filter

A type of filter	RO membrane	Nanofiltration membrane	Popular water purifier
Removal object	Cholera vibrio Influenza virus Coll Cryptosporidium Hepatitis B virus Japanese encephalitis virus Poliovirus	Amino acid Halogen compound Insulin Phtalic acid ester Synthetic dye	Hemoglobin Liquid silver Lead ion Chlorine compound Endocrine disruptor Arsenic Iodine Cesium
Size [μm]	1	0.01	0.001