

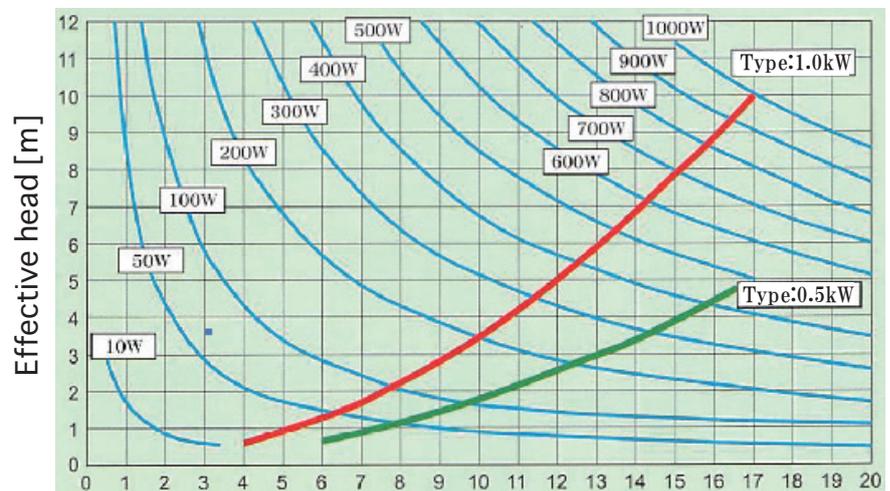
# 500W Micro-hydroelectric Power Generating System “Seseragi”

A movable micro-hydroelectric power generating system which can be installed easily in at least 55cm wide water channels. It's very compact and can be installed in water supplying and drainage systems whether in or out of buildings. Horizontal, vertical and even diagonal installation is possible, so you can choose the best way for each installation site such as factories, swimming pools, hot bathing, and more.

It has an independent power supply system by connecting its own battery system.

This means that this generating system contributes to local production for local consumption of electricity and works as a safety net for electrical power at the time of disasters.

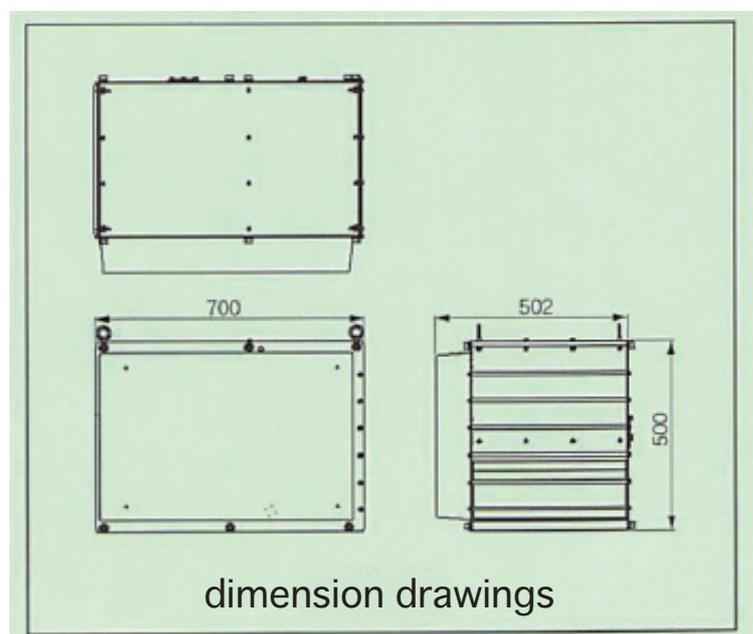
Reference chart: correlation between fluid energy and the amount of power generation



The amount of the flow water per 1 second [L/s]

The horizontal axis: the amount of the flow water per 1 second  
 The vertical axis: effective head: measured gross head minus head loss of tube  
 Diagonal 0,5kW, 1.0kW: characteristic curve of hydroelectric generator  
 Diagonal 10W~1000W: fluid energy (head and the quantity of water)

A micro-hydroelectric power generating system which can be installed in at least 55cm wide water channels.



# UPS BATTERY SYSTEM **MNJ-1000**

**Built-in high performance and large capacity battery!  
For an emergency power supply and energy-saving.**

**Easy to use with 3 simple modes!**

- Automatic
- Battery Output
- Power Charging

**Equipped with UPS**

**(Uninterruptible Power Supply)**

In the event of a power outage, it switches to battery mode instantly and saves the computers and electric equipment.

**Solar Battery charging port as a standard**

Charged by solar power just by connecting a solar module with a charging port on a rear panel!

**A high performance sine wave inverter is adopted!**

Any electric equipment can be connected to use with this 1,000W inverter.

**Built-in high performance and large capacity battery!**

High performance / maintenance-free / 4.3KW deep cycle lead battery

**Charged by solar power simply by connecting a solar module.**

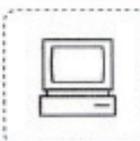
With a high performance inverter with no noise, MNJ-1000 can be used in your office, house and anywhere you want!



In case of blackout



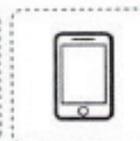
Lightning



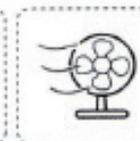
PC



FAX printer



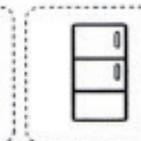
Mobile phone



Fan



TV

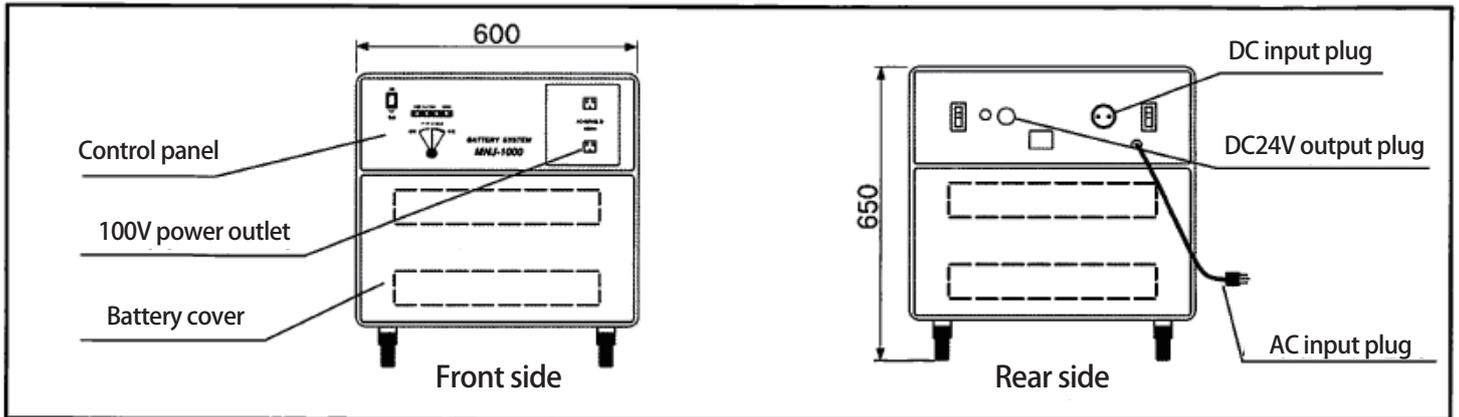


Refrigerator



Washing machin

## Appearance



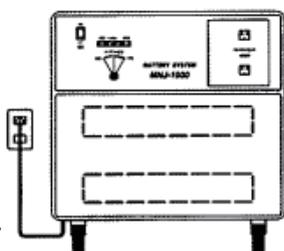
## Specifications

Model	MNJ-1000
Input	AC100V 50/60Hz
Output	AC100V 50/60Hz (switching system)
UPS (Uninterruptible Power Supply)	built-in standby type
Battery	maintenance-free deep cycle lead battery
Battery capacity	4320Wh (90Ah × 12V × 4)
Inverter capacity	1000W
Output	two AC100V three-pole outlets
DC input	Maximum open-circuit voltage 80V
	Minimum open-circuit voltage 50V
	Electric power capacity 500W (reference value)
	Maximum charging current 15A
DC output	24V 10A
Maximum connectable electrical equipment	Automatic mode: 1000W
	Battery output mode: 1000W
Charging time	about 12 hours
Size	W600 × D600 × H650 (Including casters)
Operating temperature range	0°C - 40°C
Weight	about 150kg

## How to Use

### Battery charging (AC input)

Plug the body plug into AC100V outlet and set the mode dial to automatic or charging, fully charged in 12 hours.



### Use (AC output)

Set the mode dial to automatic or battery output. Use power strips to increase the outlets.

\*Maximum 1000W

