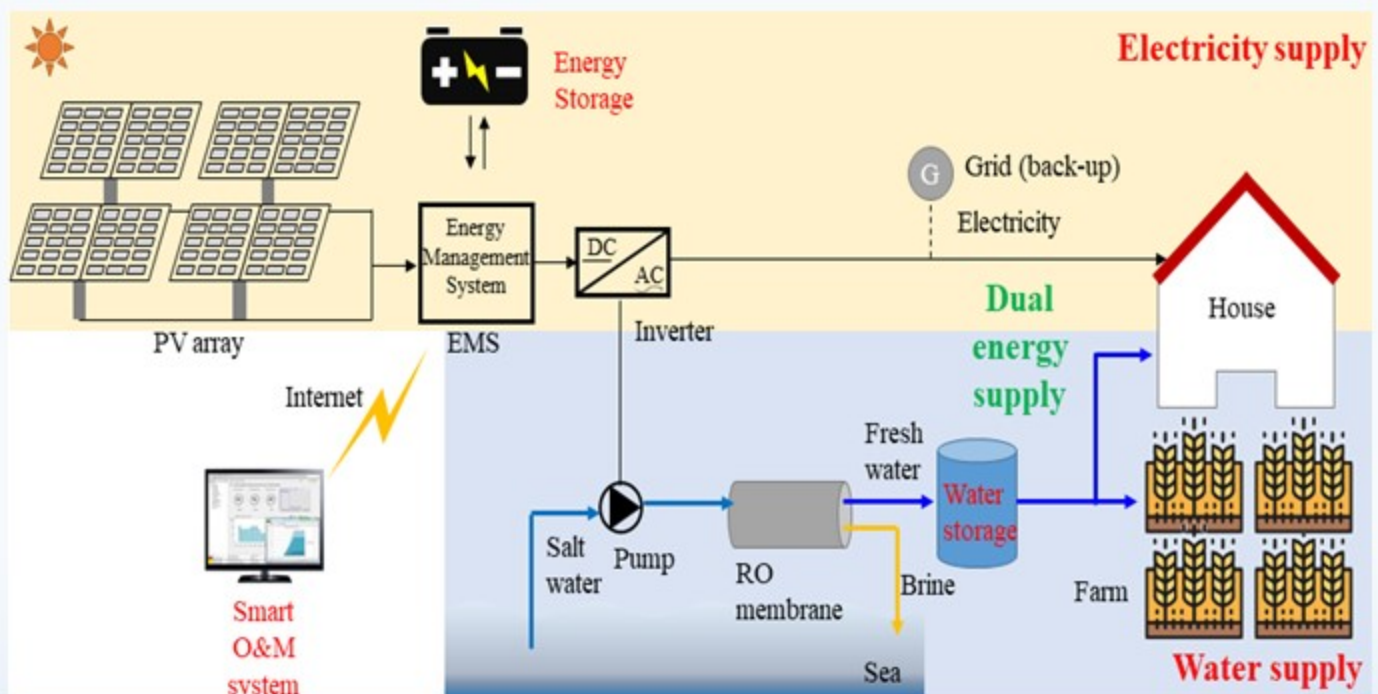


STAND ALONE SMART PV-RO PACKAGE SYSTEM



• PV-RO(Photovoltaic Reverse Osmosis)

The reverse osmosis type seawater desalination machine requires high pressure, and power consumption is high at this time. Therefore, the disadvantages of the seawater desalination machine can be supplemented by using solar energy to generate electricity. And It has the following advantages

- Using eco-friendly renewable energy, it responds to 100% electricity/water demand on a stand-alone basis
- Minimizes ESS capacity => Alleviate low storage of electric energy (charging/discharging loss, low storage efficiency, expensive battery cost, short lifespan, battery fire risk, etc.)
- A 40% improved BC ratio compared to the existing (PV-ESS) and world-best water production unit price (1.4~1.8\$/m³) can be achieved

• Capacity of PV-RO

Seawater desalination method : Reverse Osmosis

Capacity of freshwater : Variable(customized)

Power consumption : 2.8 - 3.8 kWh/m³

Water cost : 1.8 \$/m³ (World best for stand-alone PV-RO)

Capacity of PV module : Variable(customized)

Constant water supply throughout 365 days a year

Size(W x L x H) : Variable(Customized)

