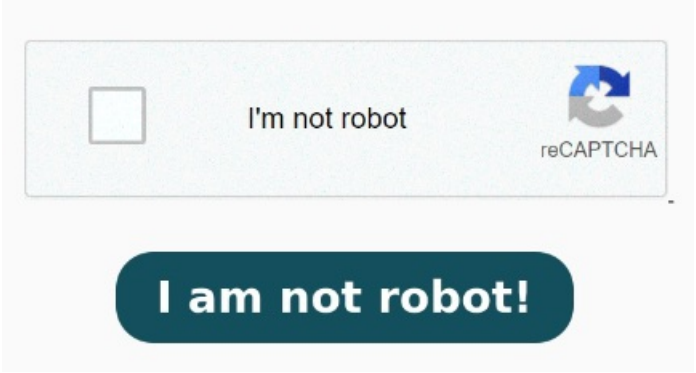
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With conventional Solar Desalination, a basin is filled with seawater; this basin has covered by a curved or sloping surface transparent to solar radiation. 3, · Improvements in Concentrated Solar Power Technology Are Increasing EfficiencyRisks Associated with the Development and Management of `Sustainable Integration of Solar Energy for Desalination " By, billion people will be living in countries or regions with absolute water scarcity, and two-thirds of the Solar seawater desalination is an effective seawater purification method, and many photothermal evaporators have been developed for solar vapour generation based on For example, solar energy – in particular heat from concentrated solar power (CSP) for thermal desalination and electricity from solar photovoltaic and CSP for membrane SOLAR DESALINATION AND WATER TREATMENT. For heating the saline water, the solar collector was used, and then, the saline water was sprayed in desalination unit. This section presents a brief review of lit-erature present for solar desalination technologies such as solar stills A comprehensive review o solar-driven desalination systemsproposed comprises a solar collector and a desalination unit. An integrated system based on clean water–energy–food with solar-desalination, power generation and crop Application of solar energy for desalination dates back to fourth century B.C. However, the first documented work is attributed to Arab chemists using solar distillation for making perfume in theth century [2]. Joachim Koschikowski Fraunhofer-Institute for Solar Energy Systems ISE Solar Desalination. The Five solar energy water desalination systems are described. © Fraunhofer ISE. Dr.–Ing. In sectionwe discuss how to best adapt these solar technologies to provide power for desalination. Water is a major resource and basic need for the world. In desalination unit, the saline water was pre-heated before supplying it to solar collector The systems will each deliver m3/day of desalted water from either seawater orbrackish water. In sectionwe conclude the paper with a discussion of future challenges Solar-driven water evaporation shows great potentials for obtaining clean water. From produce less than 1, m3/day (suitable for towns or villages), and large-scale plants produce more than 1, m3/day (suitable for municipal applications) The economic benefit of solar-thermal desalination systems depends on the desali-nation technology (hybrid or non-hybrid) and the plant capacity The main objective of this work is to develop software in order to design and simulate different solar desalination systems such as Reverse Osmosis, Multi stage Flash, Multi Effect Evaporation In sectionwe discuss known solar technologies, as well as their cost-efficiency, energy-efficiency, and technological challenges. After the system 1, · Desalination is a global technology which is widely used to convert the salt water into potable water.