

Solar Water Pump



Solar Panels: Solar water pumping systems consist of solar panels that capture sunlight and convert it into direct current (DC) electricity.

Water Pump: The DC electricity generated by the solar panels is directed to a water pump, typically a submersible pump or surface pump. The water pump's role is to draw water from a source, such as a well, borehole, or surface water, and deliver it to a desired location, like a storage tank or irrigation system.

Water Storage: In many cases, a solar water pumping system includes a water storage component, such as a water tank or reservoir, to store water for later use or irrigation.

Controller: A controller or pump inverter manages the operation of the water pump. It controls the speed and flow of the pump to match the available solar energy and the water demand, ensuring efficient and consistent operation.