

Winterizing Your Solar Water Pumping System

If you are not using your solar water pumping system during the winter, proper winterization is essential to prevent damage from freezing temperatures. Follow these simple steps to protect your investment and ensure smooth operation when you restart in the spring.

Step 1: Shut Down the System

- Turn off the solar pump controller to stop the system from running.
- Disconnect the solar panels from the controller to prevent any power input.

Step 2: Drain All Water Lines

- Open any drain valves and let water flow out of the pipes, pump, and troughs.
- If there are any low points where water could collect, consider using compressed air to blow out remaining water.
- Ensure that any filters or strainers are emptied and cleaned.

Step 3: Remove and Store Components (If Applicable)

- If possible, remove the pump from the well or water source to prevent freezing damage.
- Store the pump, sensors, and small components in a dry, temperature-controlled space.
- Coil and secure wiring to prevent damage from animals or weather.

Step 4: Protect Solar Panels and Batteries

- Solar panels can remain installed but should be cleared of debris and snow to avoid unnecessary wear.
- If using batteries, store them in a dry, insulated space, and charge them periodically to maintain lifespan.

Step 5: Inspect and Secure the System

- Check all fittings, pipes, and electrical connections for signs of wear or damage before winter.
- Cover exposed components or use insulation on any parts that remain outside.

By taking these simple precautions, you can extend the life of your solar water pumping system and ensure it's ready to operate efficiently when you need it again. If you have any questions or need assistance, Cap Solar is here to help!