4 OPERATING INSTRUCTIONS

This solar pump is designed primarily to operate in sunlight hours and always charge extra energy to battery to allow use later "on demand" in cloudy day or night time. The pump will turn to solar mode automatically on next day in sunlight hours. The pump will never run on battery mode until your press the button.

Turn on the pump: short press to turn on the pump, the pump will run certain hours (ref to battery status) and turn to solar mode. The pump will operate automatically next day in sunli ght hours.

Quick charge full energy to the battery: press and hold on 3 seconds to Turn OFF the pump in sunlight hours and charge the full solar energy to battery to allow use later of "on demand".

Battery status:

Green: battery is full charged. Pump will run around 2-4 hours.
Orange: battery is half charged. Pump will run around 1-2 hours.
Red: battery needs charges. Pump will run less than half an hour.

Note: The indicator light is blinking when pump on, the indicator light is solid when pump off.

Pump performance in different weather condition:

Weather	1. Pump on 2. Charge extra solar energy to battery	1. Pump off 2. Charge full solar energy to battery
	Solar runs the pump and charges the battery. Pump performance is maintained when the clouds pass. Pump runs on fully half an hour longer into the evening.	Battery should fully charge in 1day.
	Solar runs the pump and supplies extra energy to the battery. Performance is maintained when the clouds pass. Pump will only run a shorter period of time into the evening.	Battery will take 2 to 3 days to fully charge.
	Pump will only run when there is sufficient power from the battery. Little or no battery charging occurs so pump performance is not maintained.	Battery will take several days to fully charge.
	No solar power is available, pump will not run and battery will not charge.	Battery will not charge.