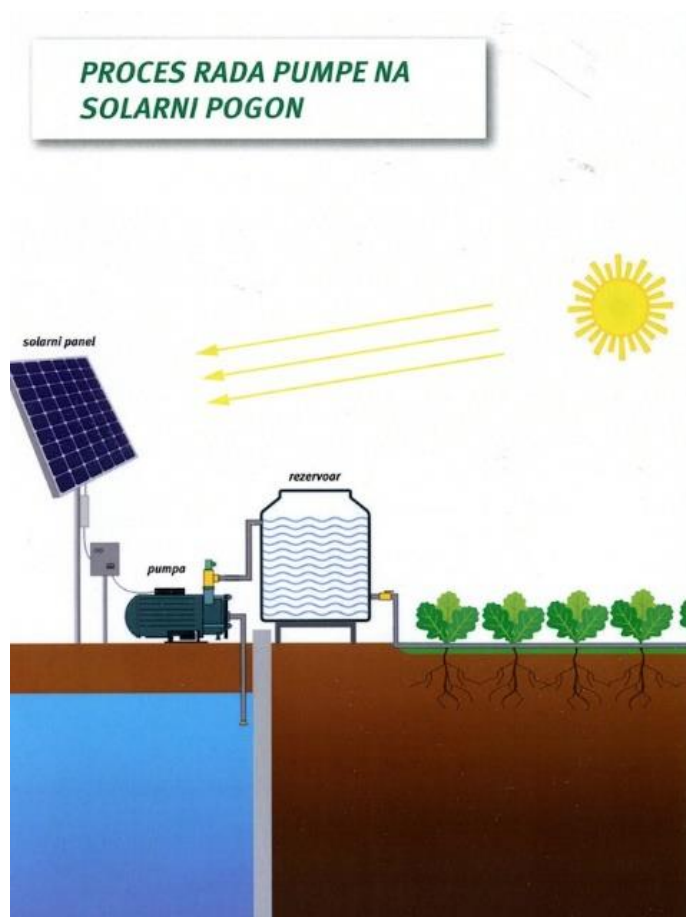


Solar irrigation system



- * The irrigation system consists of solar panels, controller, water pump and battery.
- * 5 solar mono panels with the power of 100W (in total 500W), voltage 16.9V, maximal current 5.92A
- * GEL battery with the capacity of 110Ah, voltage 12V, up to 3000 fill and discharge cycles, minimal self-discharge
- * Features of the controller are: state of charge (SOC) battery regulation, automatic selection of voltage 12V/24V; deep discharge protection; overvoltage protection; under voltage protection; own consumption in mA; common positive or negative grounding on one terminal; short circuit protection; reverse current protection; temperature compensation; overload protection
- * It supplies power to the consumer up to 250W
- * Suitable for irrigating plots from 20a to 30 a (depending on the culture irrigated)
- * The system is sized to provide enough energy to power the pump and charge the battery during the sunny interval that lasts for 10 hours.
- * The battery can power the pump for 4 hours in the interval without sun when solar panels don't produce electricity.
- * High modularity – the number of panels in the system and the capacity of the battery can be changed so they can match the features of another consumer