



Stationary & Mobile Solar Irrigation Pumps

**Made in your country to eradicate
your irrigation water problems**

The Problem: Barren Banks

- Water is critical to the economic development of any country.
- In developing countries energy is the main cause of restricted access to water.
- Rivers flow through valleys and open land, but their banks are left mostly barren and unused.
- Underground water is abundant but how to get it up and make it usable?
- Villagers are not able to afford diesel powered generators because of high cost of diesel fuel.
- Electricity is not available due to lack adequate infrastructure.
- **Consequence:** barren banks in spite of abundance of water



The Solution

- Mobile and Stationary Solar Pumps Used in
 - Irrigation
 - Water Supply
 - Live Stock

- Advantages:
 - No operating costs
 - Least maintenance
 - High dependability.
 - Can be shared by community members and tribes

- Mobile and stationary solar water pump which can be used for irrigation, water supply and livestock support can solve the problem of water in rural Afghanistan and significantly impact economic growth in the country.
- Just doubling the irrigated land on both banks of a river/stream can double the income of the population.



Water is Life

your life needs water

WATER WITH THE PUSH OF A BUTTON

- The pump can be inserted into a well or a river
- With the push of a switch water starts to flow for as long as the sun shines.
- No need to fill up the tank, to pay for diesel, to change oil or to worry about major repair and maintenance costs.
- Water can be pumped from 100 meter depth (or more) and to 100 meters vertical height (or more). Greater depths can also be served.

GET WATER WHERE NEEDED

- There is no water shortage in your country.
 - You are not able to get water to where it is needed.
 - Your underground water is left unused.
 - Your river water is not properly harvested
- ➔ Get stationary or mobile solar irrigation system



Made in Your Country? Can Be.

The mobile and stationary solar pump is Made in “My Country”.

It is a clear contribution in ensuring the start of technologically advanced and economically viable manufacturing of products and systems that create sustainable jobs and enable the country's economy to move away from foreign aid dependency.



Assembly & Disassembly

ASSEMBLED IN LESS THAN ONE HOUR

- Mobile solar pump can be assembled in less than an hour and disassembled in even less time.
- Allows the user to move it to any location in the morning and assemble it for use.
- After sunset it can be dis-assembled and towed back to be stored for the next location on the following day.



Solar Pump for Power

- When it does not pump water, mobile solar pump owner can use it to provide power for the house or small business.
- Mobile Solar Pump produces more than 2 kilo watts of power or between 5-15 kW-h per day.
- Just charge a battery bank and he can have access to electricity at night too.
- Thus an additional contribution to enhanced quality of life can also be made.



Share a Pump

A COMMUNITY CAN SHARE A PUMP

- A group of people or a whole village can buy/lease one pump and share it based on their water needs.
- Puts solar Pumps in the same category as a Karez being shared by a community and managed by a MIR AAB (water manager).



Team Up with IHFD

YOU CAN BUY or LEASE THE MOBILE SOLAR PUMP

- Partnering with aid agencies, donor contractors, government agencies, financial institutions and individuals to bring the pump to those that badly need it. Mobile solar pumps available for wholesale prices, for installment sales or for lease.
- Thus the beneficiary will be able to utilize them with least constraints and under most suitable conditions.



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