



Africa GreenTec #ImpactProduct

# PumpUP® – Solar powered irrigation system to empower farmers

The PumpUP is an off-grid water pump system that irrigates your fields with the power of the sun. We offer an all-in-one carefree package including a high-quality water pump made in Germany, solar panels, substructure, electrical connections and an optional elevated water tank. In a consultation, our well trained Africa GreenTec staff decides together with you which solar water pump system fits best to your needs. We discuss among other things the borehole depth, as well as the dimensioning of the solar panels. If needed, an additional elevated water tank can empower you to irrigate before sunrise. We take care of the transport of the components, the installation and the maintenance.



## High efficiency

due to an electric motor which enables max. water flow of 1,000 - 9,000 liters/h; 6,000 - 54,000 liters/day



## Zero operating & low maintenance costs

no expensive diesel needed



## Powered without diesel

environmentally friendly CO2-neutral technology that protects the soil & groundwater from diesel contamination

Including internal inverter protected inside the pump

Including On-/Off Switch for operation & load disconnection

0.48 - 4 kW high efficiency electric motor

2 - 12 solar panels 0.75 - 4.5 kWp

## PumpUP – The all-in-one carefree package

- The PumpUP is a modular system: our well trained Africa GreenTec staff helps you to choose the perfect system for you. The package also includes the substructure and all necessary electrical connections.
- You can choose additional features for the water storage; option 1: an elevated water tank and option 2: a floating switch for automatic shut-down.
- We offer a long-term maintenance service, even after the purchase.



**With the PumpUP farmers can save a lot of money because they don't have to buy expensive diesel. Our solar pumps are much more efficient, so you can irrigate more fields.**

**Oumar Maiga**  
Brand Communication Director - AGT Mali



## PumpUP Specifications

Different fully submersible pumps are available, either as a centrifugal pump or a helicoidal rotor pump. In consultation, we decide which technology we integrate into your PumpUP system. The following specifications display the range of the pump technologies:

<b>Max. volume flow</b>	1,000 - 9,000 liters/h; 6,000 - 54,000 liters/day
<b>Power supply</b>	<ul style="list-style-type: none"> <li>• direct current (DC) in the range 70 - 400 V DC</li> <li>• optional: 90 - 265 V AC</li> </ul>
<b>Rated power of pump</b>	0,48 - 4 kW, high efficiency electric motor
<b>Rated power of solar system</b>	0.75 - 4.5 kWp (2 - 12 PV panels) Software algorithm MPPT (Maximum Power Point Tracking)
<b>Control unit</b>	<ul style="list-style-type: none"> <li>• simple On/Off switch</li> <li>• optional: floating switch for automatic shut-down</li> </ul>
<b>Internal frequency converter</b>	Yes, the internal inverter protected inside the pump
<b>Borehole max. depth</b>	10 - 230 m



## Environmentally friendly and cost-efficient

- Optimized water output
- System-specific flexibility
- Increased service life and reliability
- Fully autonomous and cost-efficient water supply

The content of this two-pager is intended to be used as an advertisement teaser of the product and not a prospectus for the final offer. Information contained in this document may change over time.

**WE DO.**  
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