

SunCulture, a leading provider of solar-powered irrigation pumps, is addressing these challenges through [...] Read More. News, Refined Products; ... The answer is Solar Battery! Batteries are the muscle of any Solar-powered system. A Solar battery has two basic functions: storing energy and discharging energy. When used to store energy, a ...

Need our services ? We are easy to reach via phone, email from Monday to Saturday. We are here to serve you. 0800 200 132 (Toll free) uganda@sunculture Location: Plot 5, Matyrs Road, Ministers Village Ntinda, Kampala Sales & Service Center: Soroti, Lira, Sembabule, Adjumani, Arua, Gulu, Container Village Mon - Fri: 9:00 am - [...]

Elevate your irrigation efficiency with the ClimateSmart(TM) Direct with RainMaker 2S + Direct Drip. Perfect for farms under 1 acre, this system delivers a maximum head of 30m and a flow rate of ...

Solar power myths debunked. While solar technology is relatively new, there are plenty of myths surrounding its use. Each myth may seem convincing at the time, but with the right research, you can separate myth from fact to make a better decision about solar power in your life. Myth #1. Solar panels work only in the sunlight. Fact

ClimateSmart TM Battery by SunCulture. The best Solar battery needs to supply safe, reliable, and efficient operation for any high-end application. ClimateSmart TM touches every necessary aspect of the best Solar battery. Features of SunCulture's ClimateSmart TM Battery - 5-year Lifespan; 3-year Warranty; 310W Solar Panel; 100% Brushless DC ...

Boost your farm's productivity with the ClimateSmart(TM) Direct with RainMaker 2CK, ideal for farms under 2 acres. This powerful solar irrigation system offers a maximum head of 30m and a flow rate of 2.75m³/hour, ensuring efficient water distribution. Enhance your setup with optional addons like a double-panel solar stand. Choose a sustainable and reliable irrigation solution that helps ...

Snapshot Details. Product Type: Battery Integrated Pump Model Number: RainMaker 2C with ClimateSmart Battery Power Supply Type: DC Simulated PV Array Size [W]: 300 Simulated Head Value [m]: 1 High Irradiance Day: Total ...

Our solar programs encompass a broad range of material sourcing, and inventory services to help customers become more profitable. ... The smallest turbines are used for applications such as battery charging for auxiliary power for boats or caravans or to power traffic warning signs. Larger turbines can be used for making contributions to a ...

It can be tapped from sunlight through Solar Water Pumping (SWP). Besides, a solar water pump can save 20 to 50% of the cost of pump fuel for the farmer. Solar Water Pumping involves pumping of water with the help ...

Multi-country: SunCulture. Growing access to solar-powered irrigation technology. Challenge. Across Africa, an estimated seven hundred million people live on smallholder farms without adequate access to water. ... The compact, modular systems are equipped with battery storage to enable farmers to water their crops at any time of day ...

SunCulture Kenya shall be claiming carbon credits from the sale of SunCulture solar pumps (which includes Solar PV panels and pumps) used for irrigation in the various regions of Kenya. SunCulture shall claim the credits for sales made as of 1st August 2020

(Nairobi, Kenya) SunCulture, a leader in technology solutions for smallholder farmers, last week announced the launch of two transformative products designed to boost the productivity of the world's 570 million smallholder farming families. RainMaker2 powered by ClimateSmart(TM) is a smart solar-powered irrigation kit that brings best in class precision ...

Stay informed with the latest news from SunCulture. Explore articles on maximizing water resources, the future of agriculture in Africa, and how SunCulture is building climate resilience. Learn about our annual updates, the best batteries for solar energy storage, and the benefits of solar farming. Discover our impact and innovations in sustainable agriculture.

Our Impact Read through some of our success stories Empowering smallholder farmers with solar irrigation 0 K+ Farmers use SunCulture products We are the largest distributor of solar irrigation for smallholder farmers in Sub-Saharan Africa, with 50% market share in East Africa 0 % Lower costs vs. petrol & diesel irrigation We use carbon revenues [...]

Elevate your irrigation efficiency with the ClimateSmart(TM) Direct with RainMaker 2S + Direct Drip. Perfect for farms under 1 acre, this system delivers a maximum head of 30m and a flow rate of 1.1m³/hour. Powered by a robust solar panel, it ensures sustainable water management. Optional addons include a single-panel solar stand. Invest in a reliable, eco-friendly irrigation solution ...

Upgrade your farm's irrigation with the ClimateSmart(TM) Battery with RainMaker 2C, perfect for farms under 2 acres. This powerful system offers a maximum head of 20m and a flow rate of 3.0m³/hour, providing efficient and reliable water ...

It is a very significant job to feed humanity. Farmers work day and night to make it possible. Besides, farming is hard work and can be monotonous. Multiple tools which the farmers use are surprisingly low-tech or are high fuel-consumers. The best alternative is to utilise solar energy for improving daily farming practices. The sun [...]

Boost your farm's productivity with the ClimateSmart(TM) Direct with RainMaker 2CK, ideal for farms under 2 acres. This powerful solar irrigation system offers a maximum head of 30m and a flow rate of 2.75m³/hour, ensuring efficient water distribution. Enhance your setup with optional addons like a double-panel solar stand. Choose a sustainable and reliable solar irrigation solution that ...

We have been using fossil fuels such as gas, oil, and coal to generate power from time immemorial. These non-renewable resources still have a very high demand in comparison to other renewable resources like Solar, air, and wind. Even though these sources of energy have plenty of cons, they still top the list and play [...]

The answer is Solar Battery! Batteries are the muscle of any Solar-powered system. A Solar battery has two basic functions: storing energy and discharging energy. When used to store energy, a battery acts as a buffer between your power supply and your power demand, keeping enough juice in reserve to meet any sudden peaks in demand.

SunCulture the company from Africa, launched a solar-powered water pump in Kenya designed to offer smallholder farmers low cost solution to unreliable rainfall and lack of access to grid electricity. ... Using energy from the portable 120-watt solar panel and battery bank, enough water is pumped to irrigate a one-acre farm and support livestock ...

At best, Solar panels will generate about 10 - 25% of their regular power output on an overcast day. Solar batteries can store Solar power for emergencies. If you combine the Solar PV panels with a Solar battery, it ...

Another SunCulture Solar solution is ClimateSmart TM Battery. It is a no-maintenance battery with a lifespan of 5 years and 20+ hours of operation, the highest among its competitors. ... ClimateSmart TM Battery has a 444Wh lithium battery pack, built-in MPPT Solar charger, 4x12V ports for TV and LED bulbs, 2x5V USB ports for mobile charging ...

Carbon Leveraging IoT and community-centered design framework SunCulture develops and commercializes efficient, clean, and reliable irrigation solutions for smallholder farmers in Africa. The project helps irrigate the crops all year round. SunCulture believes that agriculture is such a crucial part of the global economy, and as half of all food produced today is grown using [...]

It can be tapped from sunlight through Solar Water Pumping (SWP). Besides, a solar water pump can save 20 to 50% of the cost of pump fuel for the farmer. Solar Water Pumping involves pumping of water with the help of solar pumps and guides it to a higher elevation where it can be used to irrigate crops.

Have questions about SunCulture's solar irrigation solutions? Explore our comprehensive Help & FAQs section for answers on our RainMaker solar pumps, ClimateSmart systems, drip irrigation kits, and more. Discover product details, specifications, and benefits. Contact us at 0800 721 042 or sales@sunculture.io for further assistance. Get reliable and sustainable solar irrigation ...

Discover the top 5 benefits of using solar water pumps for irrigation. Solar-powered irrigation systems provide cost-effective, sustainable, and reliable water solutions for farmers. Learn how these pumps enhance crop yields, reduce environmental impact, and empower remote areas with consistent water supply. Embrace efficient and eco-friendly ...

The smallest turbines are used for applications such as battery charging for auxiliary power for boats or caravans or to power traffic warning signs. Larger turbines can be used for making contributions to a domestic power supply while selling unused power back to the utility supplier via the electrical grid.

Introducing the new SunCulture Surface Pump, designed for flexible and reliable all-day pumping with 2x230W foldable solar panels. Enjoy up to 19,500L/day at 5m head with a deposit of Ksh. 4,999 and monthly payments of Ksh. 3,799 for 24 months. Benefit from a 3-year warranty and trusted support from our skilled engineers. Sign up today or call us at 0800 721 042 for more ...

Power System: With battery. Home; Product Power System; With battery; ClimateSmart(TM) Direct with Rainmaker 2CK. ... SunCulture Kenya shall be claiming carbon credits from the sale of SunCulture solar pumps (which includes Solar PV panels and pumps) used for irrigation in the various regions of Kenya. SunCulture shall claim the credits for ...

Once installed, SunCulture's rainmaker pumps water from any nearby source, using solar panels as opposed to batteries or inverters. Currently, the company sells solar-powered water pumps bundled ...

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