

## Florida microgrids addis ababa

Agriculture is the heart of Ethiopia's economy, accounting for 32% of GDP and 70% of the labor market. However just 5% of land is irrigated and crop yield from small farms are below regional averages. Those who have access to electricity often rely on polluting, unreliable and costly diesel-powered generators. With the prices of diesel having increased by 20% in the last year and food inflation having increased by 42% in February 2022, the country is battling with significant inflation. This is putting increased pressure on the industry, and livelihoods.

H.E Omer Hussein, Minister of Agriculture noted: "With low level of irrigated agriculture in the country, such kinds of initiative as DREAM project which adopts renewal energy using solar mini-grids, will help to increase modern irrigation practices. As part of its mandates to collaborate with line ministries and other partners to advance agricultural transformation thereby contribute to the realization of vision 2030 i.e. to have a transformed agriculture, the MoA is committed to support the successful implementation of this pilot project including its scale-up phase in future".

Dr. Yifru Tafese, Deputy Director General, ATI: "The launch of the DREAM project today is the beginning of a great journey bridging off-grid renewable energy and irrigated agriculture. It will not only contribute to increasing sustainable agricultural production and growing smallholder farmer incomes in the horticultural Agriculture Commercial Clusters, but also paves the way for broader rural transformation. Hence, the collaboration of all stakeholders becomes critical to ensuring the successful execution of this pilot, and to preparing the ground for successful scale-up".

The majority of rural Ethiopians depend on farming for their livelihoods, and climate change is making farming in the country, and across Africa, more unpredictable. DREAM will support agricultural communities and provide opportunities for farmers and local businesses to grow and thrive.

The African Development Bank Group is Africa's premier development finance institution. It comprises three distinct entities: the African Development Bank (AfDB), the African Development Fund (ADF) and the Nigeria Trust Fund (NTF). On the ground in 41 African countries with an external office in Japan, the Bank contributes to the economic development and the social progress of its 54 regional member states. For more information:

SEFA is a multi-donor special fund that aims to unlock private sector investments that contribute to providing universal access to affordable, reliable, sustainable, and modern energy services for all in Africa, in line with the Bank's New Deal on Energy for Africa strategy and Sustainable Development Goal 7. For more information:

MOD Renewable Engineering PLC is a renewable energy company based in Addis Ababa, Ethiopia. We



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supply, install, and maintain renewable energy solutions for homes and businesses to ensure uninterrupted power for urban and rural areas in Ethiopia.

We are driven by the goal to lead a green energy movement in Ethiopia by providing innovative solutions, securing a future with efficient, cost-effective and clean energy.

With efficiency and care, we design and implement tailor-made solutions for unique challenges businesses encounter with energy. Our team of experts, each adept in their field, strengthen the quality of our collective outcome.

**Inverters** Power Inverter Description Characteristics Specification Description RGH series is a pure sine wave inverter with charge. It can transform DC into AC power to be used for large power household appliances such as lights, TV, fridges, etc.. And it can also charge the battery by charging terminals, so as to solve the family's electricity difficulties. Characteristics Built-in AVR stablizer, supply the continuous stable output LCD display with multi-function buttons[&hellip;]

**Stabilizer** Description Specification Description This device delivers a constant voltage to a load at its output terminals regardless of the changes in the input or incoming supply voltage. It protects the equipment or machine against over voltage, under voltage, and other voltage surges. Specification

**Portable Solar lantern** Mobiya Front Mobiya Lite Portable Solar lantern Mobiya Original is a robust solar lantern that will provide you with safe, reliable, and clean energy for lighting and USB charging needs. Its innovative design makes it effective and also human-centric. Specification: Uses recycled ABS plastic material Uses eco-friendly recycled packaging material Human-centric LED for lesser stress on the eye Water and drop resistant Power saver mode for extended[&hellip;]

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