


Danisa Primary School

East Borana



Business Details

4 

Number Of Powerblox

July 2023 Date of installation

1 
Number of locations

66.6% Loan percentage paid back within 10 months of installation

179,200 ETB

Total cost paid



The Energy for Rural Start-Ups initiative, a joint venture between Caritas Switzerland and Power-Blox AG, pioneers rural electrification in Ethiopia. Utilizing Swiss-developed Powerblox (PBX) swarm battery technology, it aims to provide last-mile connections to off-grid rural households by applying a nano-grid approach, bridging gaps between solar home systems and larger mini-grids. In its first phase June 2023 - January 2024, 87 Powerblox were installed in 49 locations, empowering 14 micro-enterprises, 2 cooperatives, and 6 public institutions in rural areas of Oromia Region. With a 100% Powerblox payback rate within 10 months, the initiative demonstrates business viability and fosters economic growth, household resilience, and social inclusion. Scaling up, the aim is to install 7,000 Powerblox, electrify 100,000 households, 1,000 health centres, and empower 5,000 SMEs, supported by a sustainable financing and operation model and public institutions.

Top appliances & revenue streams



LIGHTING

Allowing students to use libraries and engage in sports activities after school. Teachers are also able to use the library after school for additional preparation.

Lamps



CHARGING SERVICE

Enabling teachers to charge their mobiles and laptops and access the newly revised academic curriculum books at the federal level.

Laptops

Mobile phones

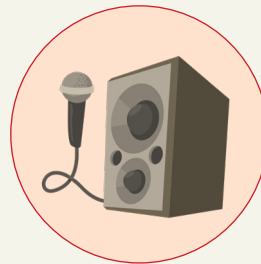


DSTV

Providing a DSTV service for sports events, entertainment, and expanding students' horizons beyond their immediate surroundings.

TV

Decoder



MINI MEDIA

Unleashing students' talent through a mini media platform where they can share information during their breaks.

Speaker

Key Achievements

500 ETB
8.7 USD

Average weekly energy savings

571

Total number of students benefitting from the service

“For the first time in 40 years, this school has finally achieved a significant milestone - the ability to access reliable electric power” said Ebisa Anota, Principal at Danisa Kerker Primary School.

The adoption of solar energy at Danisa Primary School has marked a significant milestone in its history. The school has become a beacon of progress, demonstrating the transformative power of reliable energy in enhancing education and community engagement. With ongoing initiatives like adult learning programs and efforts to establish a comprehensive ICT program, Danisa Primary School is set to continue its journey as a center of knowledge, growth, and community development.

Join the effort

Partner with us to revolutionize rural electrification in Ethiopia. Learn more about our initiative and impact and discover how to get involved on our website today.



*The PBX are currently 50% subsidized to support the pilot phase and simulate the landing price during commercial scaling.

