



Kachione Timeline

Rebranded as Solar 4 Africa

M'bangombe village shop

January - 1800 DC EPCs arrive!

Affordable Solar for Villages - NGO to support expansion

April, Malawi MoE endorse distribution of 15,000 off grid solar systems

19 August 2024 – the import costs of 650Wp direct-use cooking system is \$160

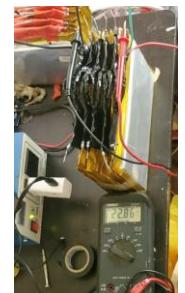
Production run of 400 batteries planned for November/December

Solar cooked food business model trials



July 2023 -200 women's groups bought \$20,000 of solar panels, aiming for 600 groups by November

November 2023 – 16 solar shops



Solar battery cooking tests



Rachel and Christina establish shop deliveries

Additional MECS funding for women's empowerment



LTO battery work begins in earnest – Stamford student, Skylar Selvin, designs circuit



Cooking demos start



Solar tuktuk arrives

24 cooker systems sold, 50 PV panels delivered (Lundu)



The first, of 15, solar shops is built and starts selling, Lundu



Breakthroughs
1. Battery work starts
2. MECS award for solar home systems with cooking
3. Solar pump systems break even



Malawian-made (ISEC) Solar Electric Cooking - TRIID Challenge Fund project

120 data loggers for ISEC monitoring, 90 150 W solar panels, and 1000kg of phase change material purchased.



Solar lighting systems training – Rachel & Christina attend

RVB starts import of solar pump & irrigation



Kuyere! Founded for solar lighting

Publication: [Hot diodes! Dirt Cheap Cooking and Electricity for the Global Poor?](#)

Publication: [Removing barriers and promoting demand-side energy efficiency in households in Sub-Saharan Africa: A case study in Ghana](#)

Publication: [Estimating the "Willingness to Invest" in Solar Home Systems with Cookers for Rural Households in Malawi](#)

Publication: [Customising Malawi-made solar electric cooking technology and business models to provide access to very low income villages](#)

Publication: [A simplified method for calculating the levelized cost of energy \(LCOE\) using amortization factors](#)

Publication: [How to Make Off-Grid Solar Electric Cooking Cheaper Than Wood-Based Cooking](#)

Publication: [Empowering Efficiency: Distributing off-grid solar electric cooking systems using women-lead organizing in rural Malawi](#)

2015 2017 2018 2019 2020 2021 2022 2023 2024