



ENTELECHY

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**We know
Clean Energy**



www.entelechy-ug.com



Who we are

Bultec Engineering Solutions Ltd trading as Entelechy is a Ugandan based Consulting and Renewable Energy Solution company established in 2022 and is located on Plot 58 Kisasi Road, Ntinda, Kampala.

We are the authorized dealers of **Entelechy solar products** manufactured by **Guangzhou Best Electronic Technology Co., Ltd** a Chinese leader in Industrial and commercial solar lighting system solutions.

We are providers of comprehensive renewable energy solutions, specializing in solar technologies with a commitment to sustainability, innovation and striving to empower entities to harness the abundant potential of solar energy for **reduced cost of doing business and Environmental conservation by reduction of carbon foot print.**

Our products include **Entelechy Smart Hybrid Solar System, Entelechy Smart Power Back-up System, All in One Solar Generators, Solar Flood Lights, Solar Street Lights, Solar-Garden Light, Solar Decorative Light, Partial Heaters.** We underscore that the renewable energy arena is constantly evolving and we are keeping pace by constantly carrying out research and developing Strategic Partnerships in order to deliver the best solutions to our clients. We're confident that we'll find you the right solution while providing you unmatched customer service satisfaction.

BULTEC ENGINEERING SOLUTIONS LIMITED:

"Leveraging the Power of Green Energy to Conserve the Environment"

Vision

- To be the leading global service provider in Solar solutions, driving the transition to a sustainable and green future.

Mission

- To provide a reliable, modern and intelligent renewable energy solutions to build green economies, create sustainable living and promote rural access.

Core Values

- Customer-Centric
- Innovation
- Teamwork
- Ethical Integrity
- Environmental Responsibility
- Sustainable solutions

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Innovation:

By embracing new technologies and creative approaches, we remain at the forefront of industry advancements, providing clients with state-of-the-art engineering solutions.

Teamwork:

We foster a collaborative and inclusive work environment, where individuals with diverse skills and expertise come together to achieve common goals. Teamwork ensures the efficient and effective delivery of our Solar services.

Environmental Responsibility:

We actively integrate environmentally friendly practices into our engineering solutions. Through the promotion of sustainability and eco-conscious decision-making, we minimize our environmental footprint and contribute to a greener future.

Customer-Centric:

We strive to understand and exceed customer expectations by delivering tailored solar solutions and fostering strong, long-lasting relationships.

Ethical Integrity:

We are committed to conducting business with honesty, transparency, and integrity. Upholding a strong ethical framework ensures that we build trust with clients, partners, and the community.

Sustainable Solutions:

We are dedicated to providing sustainable solutions that have a positive impact on communities and the planet. We prioritize the development and implementation of Solar solutions that balance economic viability with environmental and social considerations, promoting a sustainable and green future.



**WE OFFER AN INTEGRATED
APPROACH TO
YOUR ENERGY NEEDS**



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Team & Leadership

The Entelechy team offers years of experience in the renewable energy and a strategic mix of technical, management and project development. We understand on- and off-grid electrification technologies, policies, market trends, key players, and market development challenges. We know what works for our clients. Our management and technical team include;

Justus Katsigeire – *Managing Director.*

Highly experienced and visionary leader with years of experience in the solar industry. He carries a proven track record of driving business growth, innovation, and sustainability. Expertise in strategic planning, team management, and stakeholder engagement.

Bulungu Alex – *Technical Director*

Highly skilled and experienced solar installer with over 5 years of experience in designing, installing, and maintaining solar panel systems. He has a proven track record of efficiently installing solar systems, ensuring maximum energy output and customer satisfaction.

Henry Mugula – *Technical Manager*

Our technical manager is responsible for all preventative and corrective maintenance on all our solar projects while making sure all HSE procedures are followed. He must ensure maximum availability and performance ratio of all our solar works and draft technical reports on all events.

Richard Nyesiga – *Finance and Administration*

Highly experienced finance professional with many years of experience in financial management, accounting, and strategic planning. Proven track record of driving financial growth, improving profitability, and ensuring compliance in the solar industry.



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Our Products

Our products include *Entelechy Smart Hybrid Solar System, Entelechy Smart Power Back-up System, All in One Solar Generators, Solar Flood Lights, Solar Street Lights, Solar- Garden Light, Solar Decorative Light, Partial Heaters.*



Solar LED Flood Lights:

Our Solar Flood Light F05 have high bright solar lamps that use SMD3030 chips which improve light efficiency by 20% compared to traditional SMD5730 and SMD2835 chips. They also have LiFePO4 lithium battery and comply with IP66 waterproof and ingress. They are charged with Mono crystalline solar panel.



Solar Street Light:

We got a wide range of solar streetlights including; **AIO Solar Street Light S02, S03, S04/ S04 PRO, L02, AIT Solar Street Light L03, L04, S01, S03 and S04.**



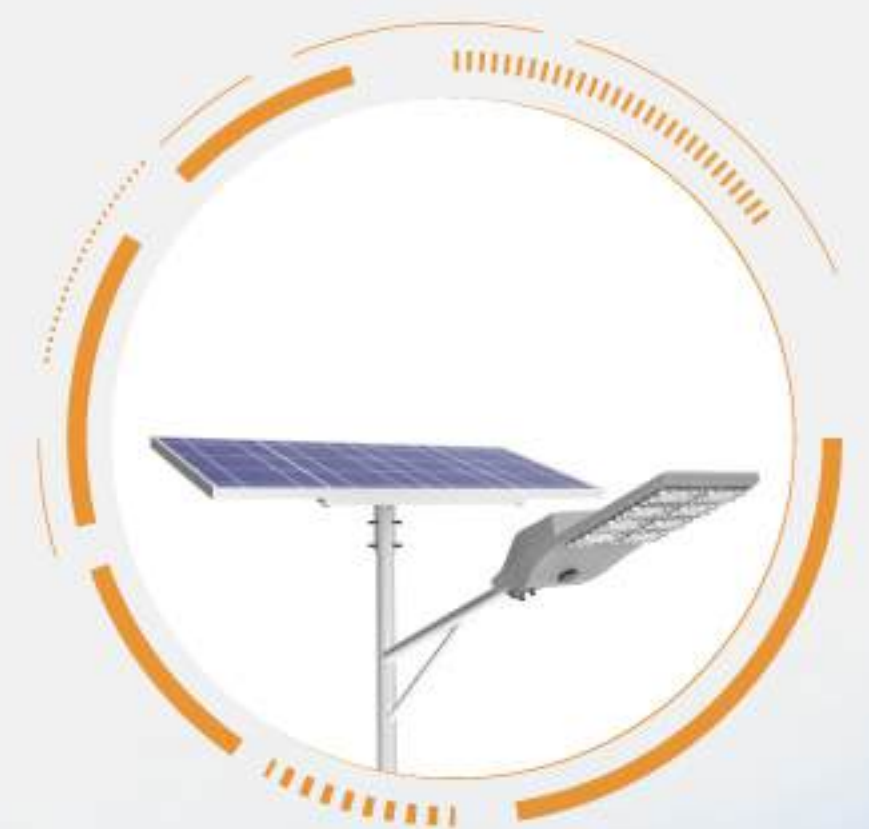
**BST- AIO-4530P
S02**



**BST-AIT-600W
L03**



**BST-AIO-4030P
S03**



**BST-AIT-180100P
S03**

Other lighting solutions include Solar Decorative lights, Solar Landscape Light, Solar Garden Light and Solar Stadium Lights

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Entelechy Smart Hybrid Solar System,

Our Entelechy Smart Hybrid Solution is a complete drill- down power structure from power generation up to load consumption with three main components that include.

- a) Smart Hybrid Inverter of the latest technology that allow both DC Power and AC Power without the need for intermediary power converters. It also has ability to automatically charge and discharge the connected lithium battery without separate battery chargers. Additionally, the Smart Invert has an inbuilt Lithium Battery Communication System that allows remote monitoring and control of the connected lithium battery for parameters including Charging and Discharging Rates, thus maintaining the overall health of the battery and extending its usable duration.
- b) Portable Lithium battery bank: Entelechy Smart, Portable Lithium Battery Technology is a storage solution that allows full discharge without affecting the battery's internal cell holding capacity as opposed to the conventional Deep Cycle Batteries. It has inbuilt Battery Management System (BMS) that manages internal battery conditions such Temperature, Discharge Rate and Charging Rate thus improving the overall longevity of the battery. The light weight, small size yet high-capacity Smart Lithium battery replaces multiple and bulky conventional Lead Acid Batteries significantly reducing installation space and materials.
- c) Class A Monocrystalline Solar Panel: Our Class A Monocrystalline solar panel of half cut cells have a higher solar power generation efficiency of 95% contrary to the polycrystalline panels thus generating more kilowatt-hours of electricity by utilizing almost all the installed system capacity.



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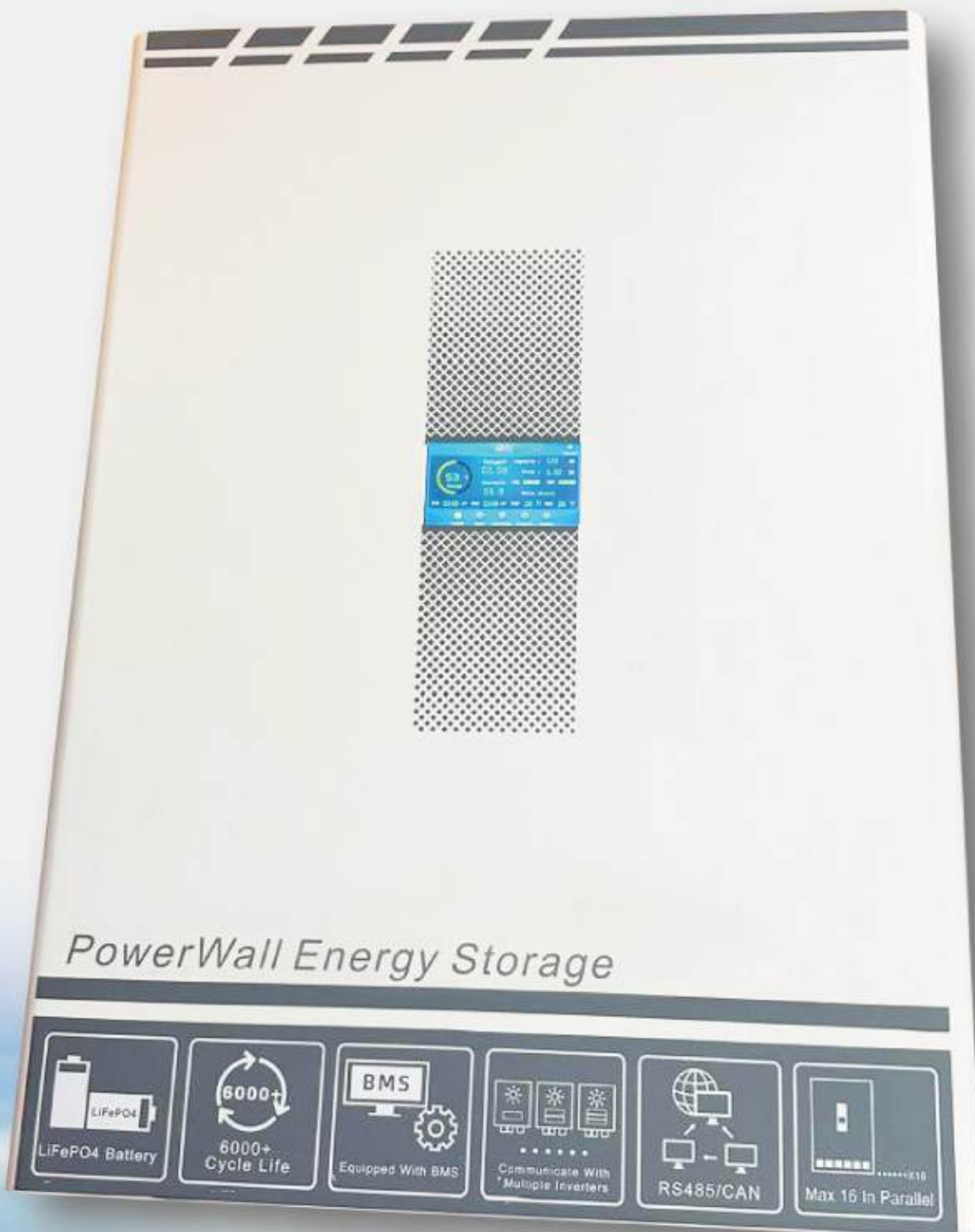
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Smart Hybrid Inverter

Entelechy Smart Hybrid Solar inverters are of the latest technology that allow both DC Power from solar modules and AC Power from the grid /generator without the need for intermediary power converters. The Smart Inverter has ability to automatically charge and discharge the connected lithium battery without separate battery chargers.

The Smart Invert has an inbuilt Lithium Battery Communication System that allows remote monitoring and control of the connected lithium battery for parameters including Charging and Discharging Rates, thus maintaining the overall health of the battery and extending its usable duration.

Additionally, the Smart Hybrid inverter supplies filtered and stable power and provides zero- transfer time during changeover, conditions necessary for operation of very sensitive equipment such as server and other IT equipment alienating need for UPS.



PORTABLE LITHIUM BATTERY

Entelechy Smart, Portable Lithium Battery Technology is a storage solution that allows full discharge without affecting the battery's internal cell holding capacity as opposed to the conventional Deep Cycle Batteries.

The Smart Lithium Battery has an inbuilt Battery Management System (BMS) that manages internal battery conditions such Temperature, Discharge Rate and Charging Rate thus improving the overall longevity of the battery. This resolve constant battery bank replacement a characteristic of the conventional Lead Acid storage battery bank. The light weight, small size yet high capacity Smart Lithium battery replaces multiple and bulky conventional Lead Acid Batteries significantly reducing installation space and materials.

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Our Projects



We have worked with homeowners, businesses, communities to **transform how they use and generate energy.**



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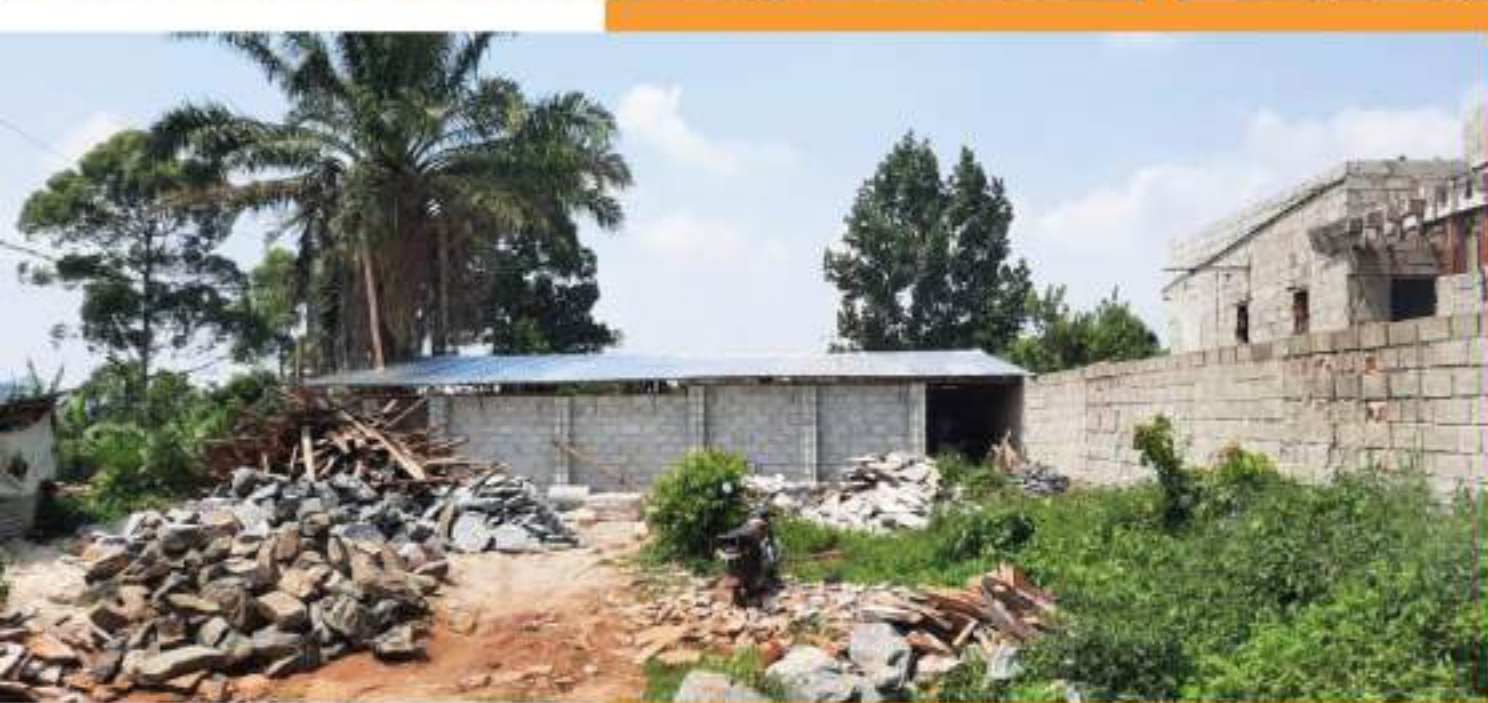
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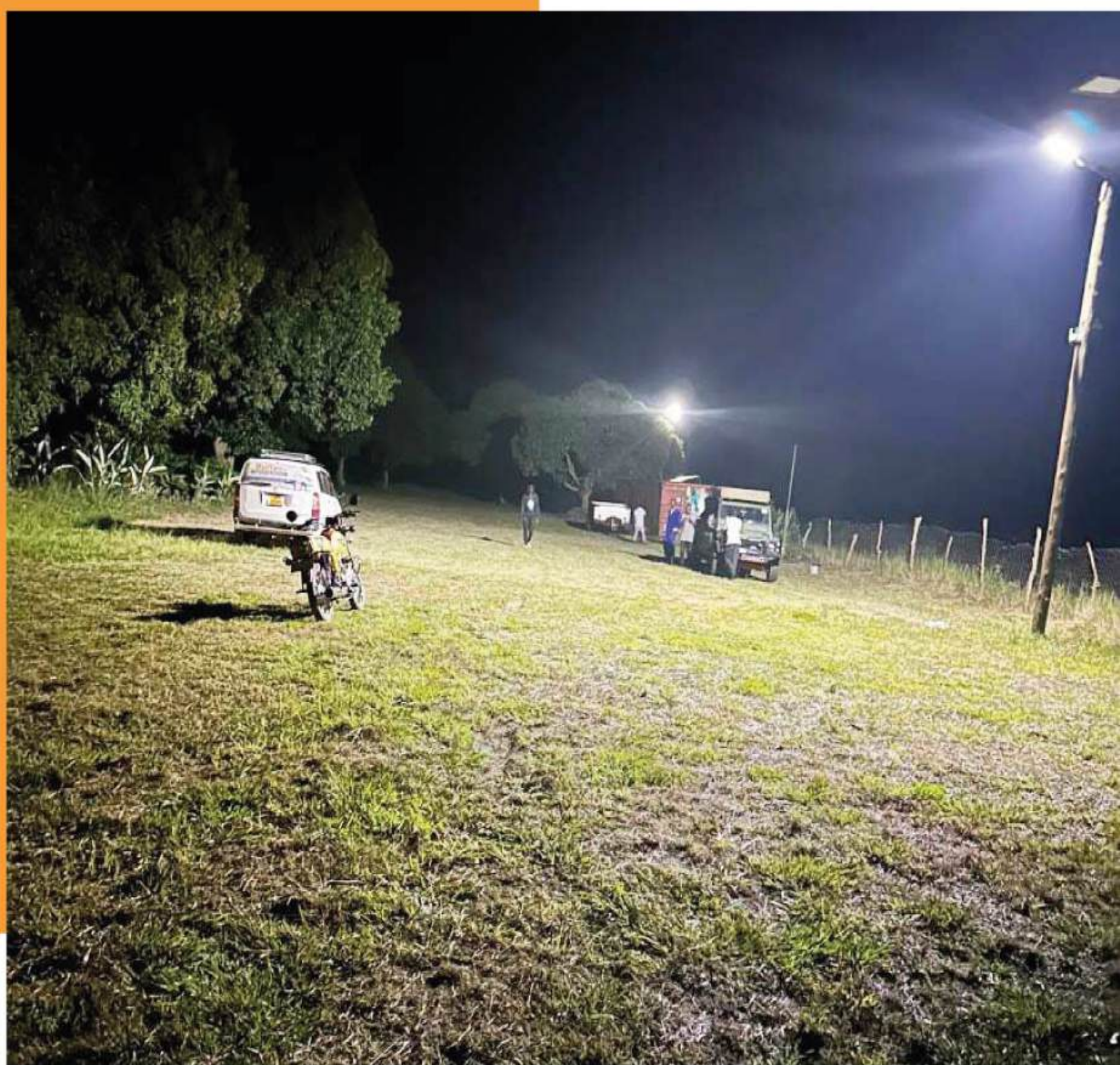


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ALL IN ONE SOLAR STREET LIGHT

- IP67 Waterproof
- New LiFePO4 Battery
- Intelligent Light Control
- Seoul SMD3030 (160~180lm/w)
- Aluminum Alloy Housing



SOLAR STREET LIGHTS



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**SOLAR
POWER GENERATORS**



BST-SPSS-1500W



BST-SPSS-3000W



BST-SPSS-5000W



converting DC power to stable AC power
and supply to appliances

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