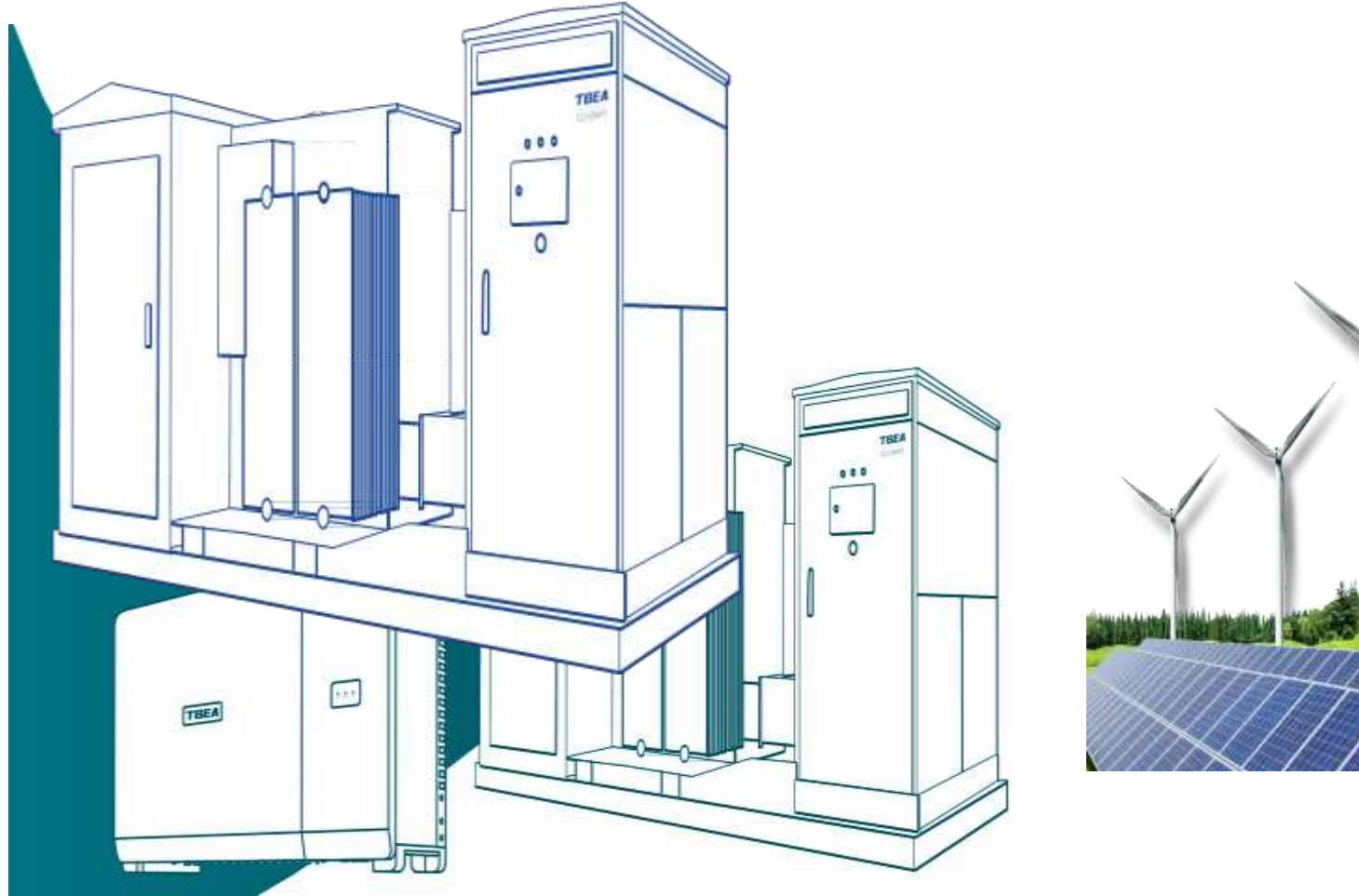


JFET GLOBAL SERVICES LIMITED

TECHNOLOGY . INNOVATION . SOLUTION



JFET GLOBAL SERICES LTD



SOLUTION

ERGO

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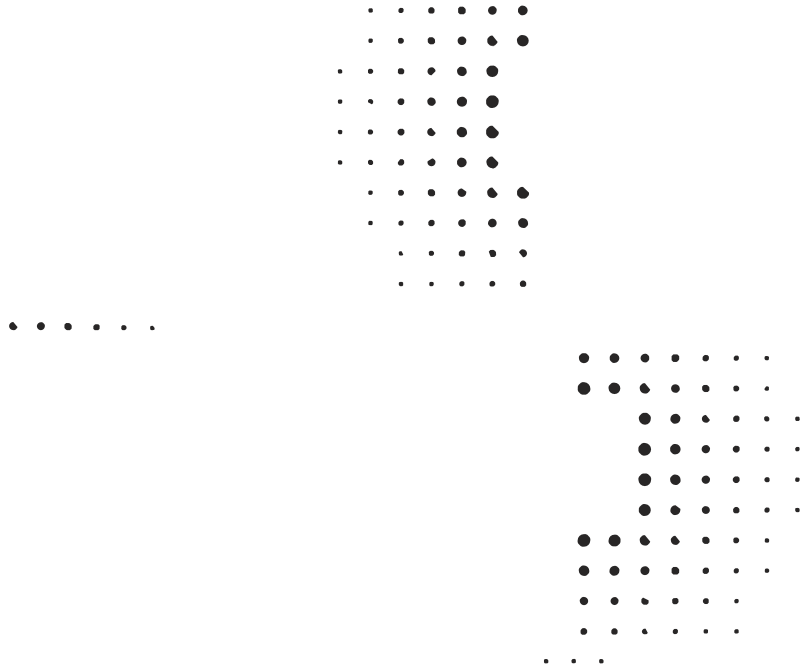
OUR DETAILS

JFET GLOBAL SERVICES LTD

Electrical Service Provider & Renewable Energy Solutions
Since 2017.

No 35 IG Maryson street Kubwa Abuja

08039268666



COMPANY PROFILE

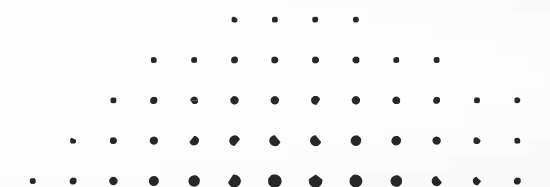
WHO WE ARE



JFET GLOBAL SERVICES LTD is a leading provider of professional electrical services, committed to delivering high-quality electrical and renewable energy solutions. We specialize in the design, installation, maintenance, and repair of electrical systems for residential, commercial, and industrial clients. Our expertise extends to renewable energy solutions, particularly solar power installations, ensuring energy efficiency and sustainability. With a commitment to industry best practices, safety, and innovative solutions, we deliver top-quality services that meet international standards and can be deployed locally and globally. Our expertise extends beyond traditional electrical services to cutting-edge solar energy installations, ensuring efficiency, cost-effectiveness, and environmental sustainability.,

At JFET GLOBAL SERICE LTD, our vision is to revolutionize the way the world generates and consumes energy, making 100% renewable energy a reality for all, while fostering a culture of innovation, sustainability, and environmental stewardship.

We prioritize environmental responsibility in all our operations.
We strive for cutting-edge technology and creative solutions.
We operate with transparency and honesty.
We deliver exceptional service and support.



Why Choose Us?

Expertise: Our team of experienced professionals deliver high-quality solutions.

Commitment to Sustainability: We're dedicated to reducing carbon footprints.

Innovative Solutions: We stay ahead of the curve with the latest technologies

OUR SERVICES

We provide a comprehensive range of electrical and solar energy solutions, including but not limited to:

Electrical Installations and Maintenance

- Wiring and rewiring services for residential, commercial, and industrial buildings.
- Installation and maintenance of electrical panels, switches, and outlets.
- Troubleshooting and repair of electrical faults.
- Backup generator installation and servicing.

Solar Energy Solutions

- Design, installation, and maintenance of solar power systems.
- Supply and installation of solar panels, inverters, and batteries.
- Hybrid energy solutions integrating grid and renewable power.
- Solar water heating and street lighting solutions.

Power Distribution and Substation Services

- Power transformer installation and maintenance.
- Electrical power distribution network setup.
- Substation design, installation, and servicing.

Energy Management and Consultancy

- Energy audits and efficiency optimization.
- Power quality analysis and load management solutions.
- Advisory on renewable energy adoption and implementation.

Fire and Safety Systems

- Installation and maintenance of fire alarm systems.
- Lightning and surge protection systems.
- Smoke detectors and emergency lighting solutions.

Smart Home and Industrial Automation

- Home and office automation systems.
- Industrial process control solutions.

Security and surveillance system installation.

Cost and Unreliable Grid Power Supply Impairs your Operations



Increasing Cost of Grid Power Supply

The exponential cost of grid electricity tariff in Nigeria is N209/kWh. Daily average supply is 10-15 hours depending on locations. Cost of running generator is 2-3 times cost of grid electricity.



Issues with Poor Solar Technology

- Poor long term reliability
- Poses hazard to personnel, property, equipment
- Under capacity to meet actual
- energy needs of the clients.
-



Choosing the Right Solar Technology

Appropriate System Size

LOAD - TIME OF USE - BUDGET

System Technology

High Capacity and Efficient Solar panels

Fast Charging Lithium Ion battery

Remote monitoring

Fire represent and Safety measures

The Solution

Solar Panel

Harnessing the sun's energy fast
charging solar panels

Storage Systems

Cutting-edge battery storage solutions
ensuring reliable and efficient energy
distribution.

Mini Grid systems

Combining the best of renewable sources to
provide a mini Grid System for commercial
and industrial purposes.

Available Types of Solar System

On Grid System

An on-grid solar system, also known as a grid-tied solar system, is a solar power system that is connected to the electrical grid.



Off-Grid System

An off-grid solar system is a solar power system that operates independently of the electrical grid.



Hybrid -System

A hybrid solar power system combines solar energy with other energy sources to provide a reliable and efficient power supply.





Hewelt SYSTEMS Limited

Energy Storage Systems



JFET GLOBAL string inverter can be applied to villages, industrial and commercial rooftops, water-floating, complex mountain and other PV scenes, etc. As the core of the grid- connected power generation system, 50kW~250kW inverter series with its high efficiency, super reliability.



Industry Leading

C&I Hybrid Cooling ESS . C2C Dual Link Safety . Lower LCOS . One for All

Performance & Efficiency

- **High efficiency:** The system minimizes energy loss during storage and retrieval.
- **Fast response time:** It can respond to power demands within milliseconds, making it ideal for rapid energy discharge.
- **Longevity:** The system's long life cycle ensures sustained performance over years of operation, providing reliability.



3-Tier Safety



Simple O & M



High Reliability



More Energy

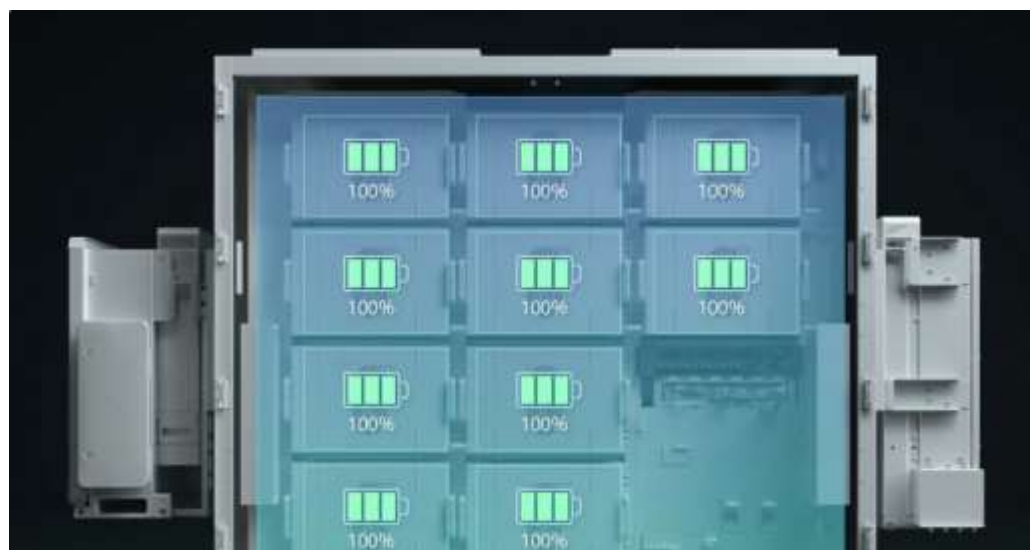


New Fusion

Versatility and Application

200KWH-H1 system is designed to meet diverse energy requirements, making it suitable for various commercial and industrial applications.

- **Grid-tied applications:** Supports peak shaving, load shifting and demand response, reducing energy costs and enhancing grid stability.
- **Off-grid applications:** Provides a reliable power source for remote locations, ensuring uninterrupted energy supply.
- **Renewable integration:** Enhances the integration of renewable energy sources such as solar and wind by storing excess energy and delivering it when needed.
- **Backup power:** Offers a dependable backup power solution for critical infrastructure, ensuring continuous operation during grid outages.



Reliable Power Supply

As intelligent grid forming brings about enhanced voltage and frequency stability, the ESS can bear more loads and work steadily under various microgrid scenarios.



Increased Energy Capacity

Three working modes, Max. Self-consumption, TOU, and Peak Shaving, are always available for automatic and intelligent switch, delivering optimal power revenues.



Higher Energy-Lower Cost

Automatic synchronization with existing battery packs after a battery pack replacement. Remote faulty module detection free the system from routine shutdowns and manual site visits, reducing O&M costs considerably.

Product Portfolio-Energy Storage-Centralized Solution

liquid cooling battery container :

4.073MWh (306Ah, 0.5C, 0.25C, not 1C)

Brand : CATL

Time : After 2024.5.1

1500Vdc PCS& Transformer all-in-

one System:

2.5MW/3MW/3.45MW PCS and
transformer(Oil-immersed) all-in-
one(Single module 1.25/1.5/1.725MW),

PCS Output voltage 690V

Brand : KeHua

Time : After 2024.5.1

Feature: Off-grid, black start

Battery container and centralized PCS all-in-one machine, form 2.5MW/4.073MWh(2h),
1.25MW/4.073MWh(4h), 2.5MW/8.146MWh(4h), or other else energy storage unit. Support
black start, off-grid.

Advantages: ultimate safety, High reliability ,good grid , Low initial cost **Application :**

Front of-the-meter: Colocated with solar/ wind/hybrids/conventional, Standalone Excluding
behind-the -meter: Residential , Commercial

INDUSTRIAL & COMMERCIAL

Mini Off-Grid Stations

- String Inverter
- Central Inverter Station



Power : 2500kW



40ft : 2475kW Inverter Power Station



6250kW/6800kW . 40ft Integrated Inverter



Efficient power generation
With I-type three-level
topology, maximum
efficiency is greater than
99%, European efficiency is
greater than 98.7%



Invert Transformer Station



Capacity: 2335kw-3800kw

Max.40 Inputs,4 MPPTs
Max.40 Inputs,4 MPPTs, I-type three-level power topology,
Inverter maximum efficiency greater than 99%, European efficiency greater than 98.7%



Advantages 4800kw

Efficient and Economical

Compatible with 182/210 solar module, 36/42/48 I inputs, support 1.8 DC/AC ratio

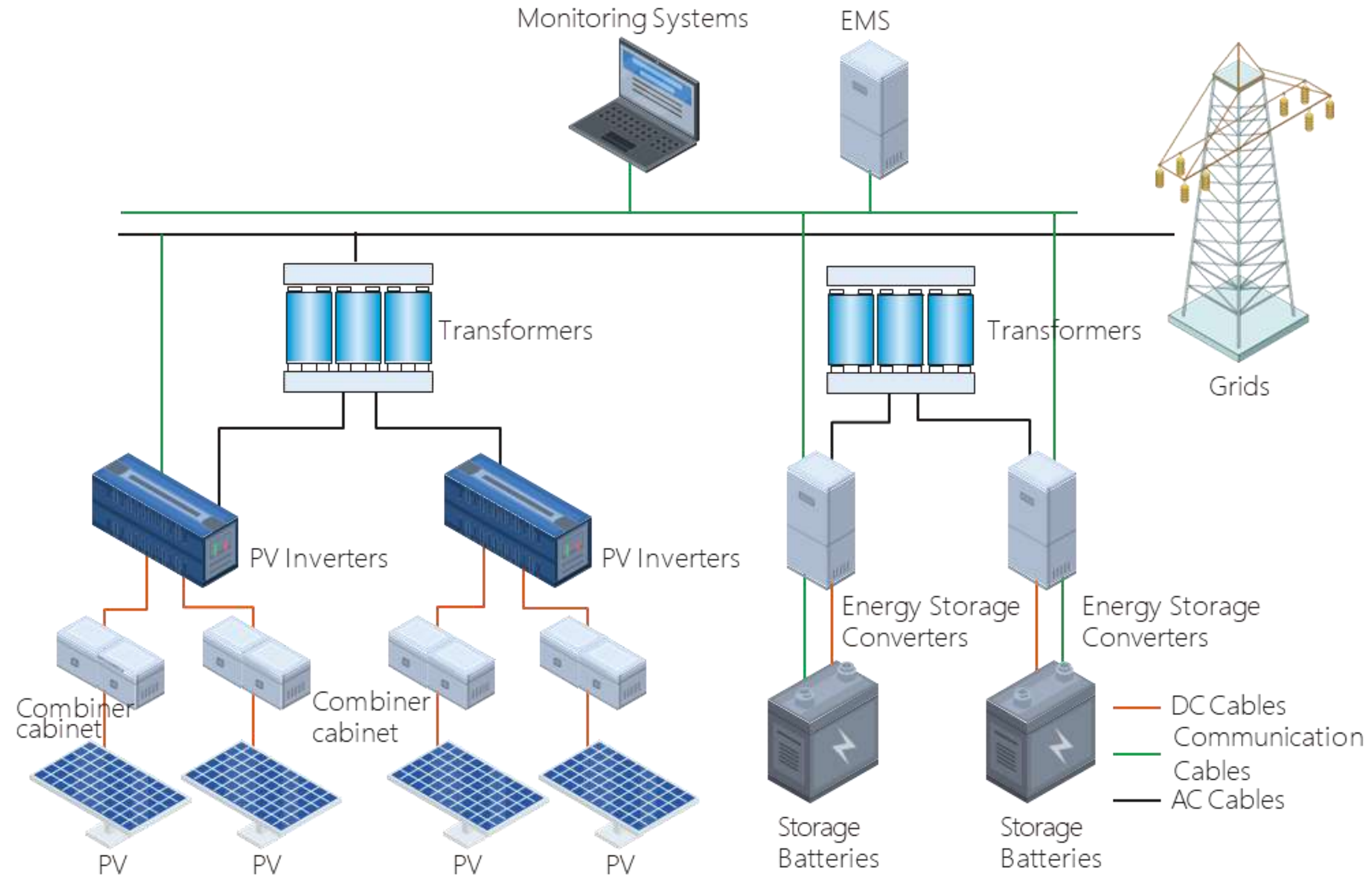
Max. efficiency >99%, European efficiency >98.7%

High capacity, reduce quantity of MV equipment, reduce CAPEX

The product integrates central inverters (4400kW), transformer, RMU, and other auxiliaries into a 20-foot container. It converts LV DC power produced by photovoltaic modules to MV AC power for injection into the grid system, offering an all-in-one integrated solution for PV power plants.

Main Application Scenarios

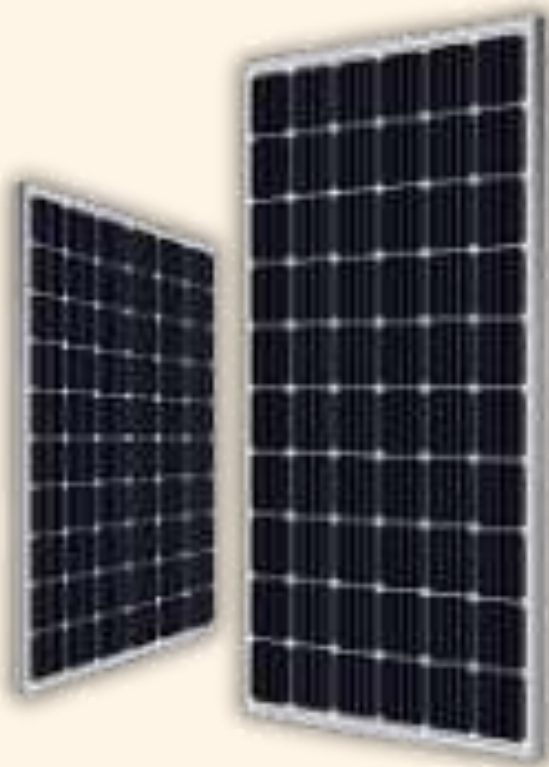
Scenario One: Energy Storage for Photovoltaic Power Plants



Bluesun 580W Monocrystalline Solar Panel

HIGH QUALITY SOLAR PANELS

With Bluesun 580W Monocrystalline Solar Panel high module conversion efficiency of up to 22.45%, this panel ensures maximum power generation. Designed to endure harsh environments, it guarantees reliable performance in deserts, farms, and coastlines. With excellent PID resistance and superior weak light performance, it provides consistent energy output. Certified to withstand extreme wind and snow loads, backed by enhanced product warranty, the Bluesun 580W is your reliable partner in renewable energy.



Timeline:



2017

Company founded



2018

First solar project
launched



2019

Expansion into
wind energy



2023

Introduction of
solar step up
transformer power
solutions



2024

Deploying of advanced
Lithium array battery
storage



OBASANJO PRESIDENTIAL LIBRARY-SOLAR FARM 1.5MW

WORK REFERENCE





JFET GLOBAL SERVICES

inverter systems, online ups, Batteries, CCTV,
Sales, Installation & Maintenance

WORK REFERENCE



OBASANJO PRESIDENTIAL LIBRARY-INVERTER INSTALLATION 1.5MW



WORK REFERENCE



OBASANJO PRESIDENTIAL LIBRARY-ITRANSFORMER INSTALLATION 1.5MW



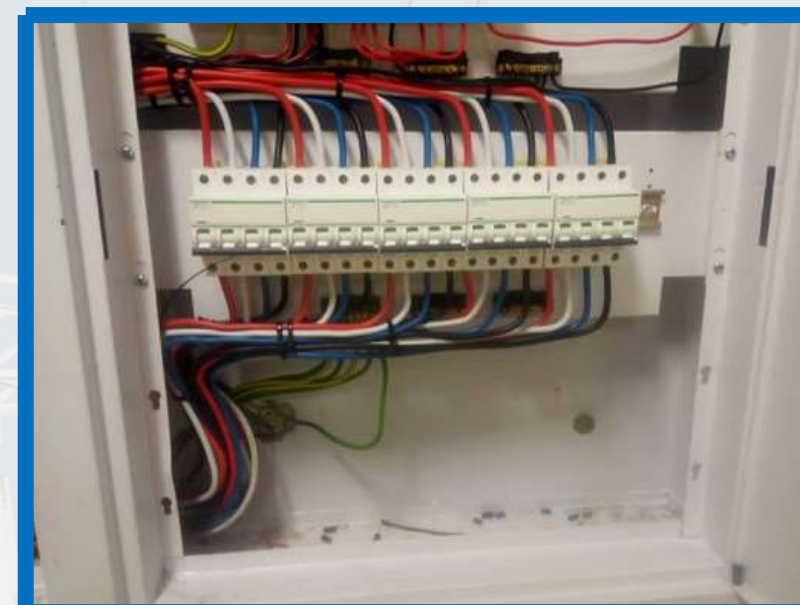
WORK REFERENCE



OBASANJO PRESIDENTIAL LIBRARY-ITRANSORMER INSTALLATION 1.5MW



WORK REFERENCE



ABinbev Breweries-Sagamu 400kwh

PICTURE GALLERY



OBASANJO PRESIDENTIAL LIBRARY-1.5MW



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OBASANJO PRESIDENTIAL LIBRARY-1.5MW



OBASANJO PRESIDENTIAL LIBRARY-1.5MW



OBASANJO PRESIDENTIAL LIBRARY-1.5MW

THANK YOU

