



# Next-Gen Energy Solutions

Advanced Solar and Battery Energy  
Storage Solutions



## Surin International Pvt Ltd.

An ISO 9001:2015 & Duns-certified Company

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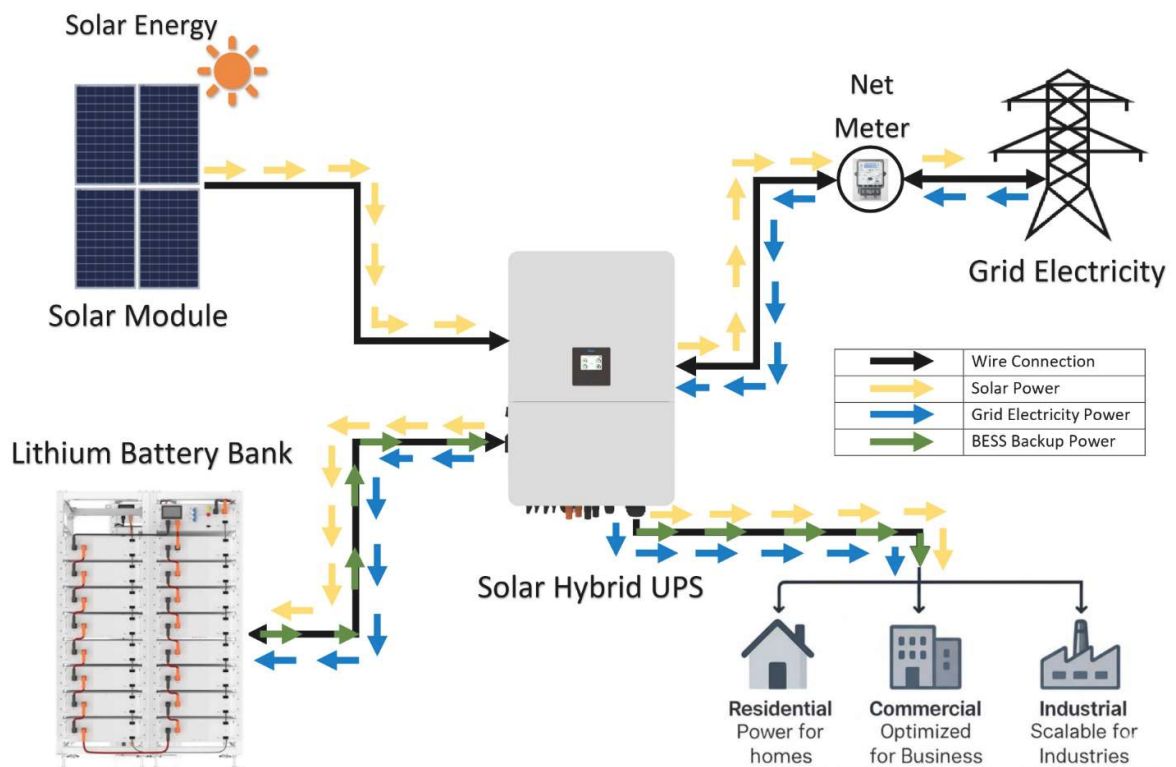
# About Us

Established in 2013, Surin International Pvt. Ltd. is an ISO 9001:2015 and DUNS-certified company committed to delivering intelligent engineering and comprehensive energy solutions.

We are India's premier provider of state-of-the-art Solar and Battery Energy Storage Systems (BESS). With over a decade of expertise in power technologies and energy management, Surin delivers integrated, future-ready solutions designed for residential, commercial, and industrial needs.

Our mission is simple: to help you capture, convert, and store energy efficiently. From high-efficiency solar modules to smart inverters and advanced Lithium-ion BESS, Surin is your one-stop solution for reliable, 24/7 power. We empower industries and homeowners alike to transition toward clean, connected, and cost-effective energy systems.

## From Capture to Consumption



# Residential Battery Energy Storage Systems



All-in-one Wall  
Mount



Residential  
Stackable

Upto ~70% Operational Cost Savings



## Key Features

- **5+ Years Warranty**
- **Advanced LiFePO4 Technology:** Ensures superior safety, thermal stability, and a longer lifecycle compared to traditional batteries.
- **Compact & Modular Design:** Choose from sleek All-in-One Wall Mount units or flexible Stackable systems to fit your space and energy needs.
- **Smart Battery Management System (BMS):** Built-in protection against overcharging, deep discharging, and temperature fluctuations.
- **Remote Monitoring:** Track your home's energy usage, battery status, and savings in real-time via our dedicated mobile app.



## Benefits

- **True 24/7 Power:** Keep your lights, appliances, and critical devices running without interruption.
- **Grid Independence:** Reduce your reliance on the grid and protect yourself from rising electricity tariffs.
- **Quiet & Clean:** Enjoy backup power with zero noise (< 65 dB) and zero emissions, unlike traditional diesel generators.

# Commercial & Industrial Battery Energy Storage Systems



Commercial  
Cabinet



Industrial  
Cabinet

## Key Features

- **Industrial-Grade Capacity:** Highly scalable systems designed to handle heavy loads and extended backup requirements.
- **Intelligent Thermal Management:** Options for Air or Liquid Cooling ensure optimal performance and longevity even in demanding environments.
- **Robust Fire Protection:** Integrated safety systems including Heptafluoropropane or Aerosol suppression for maximum operational safety.
- **Flexible Communication Protocol:** Supports RS485, Ethernet, and CAN for seamless integration into existing facility management systems.
- **Certified Reliability:** Systems meet stringent international standards including UL1973, UL9540A, UN38.3, and IEC62619.

## Benefits

- **Peak Load Management:** Automatically discharge stored energy during peak tariff hours to significantly reduce operational costs.
- **Zero Downtime for Critical Loads:** Ensure continuous power for sensitive manufacturing equipment, servers, and cold storage facilities.
- **Diesel Generator Replacement:** A cleaner, quieter, and ultimately more cost-effective alternative to maintaining and fueling industrial diesel generators.
- **Achieve Green Goals:** Lower your carbon footprint and integrate renewable energy seamlessly into your industrial operations.

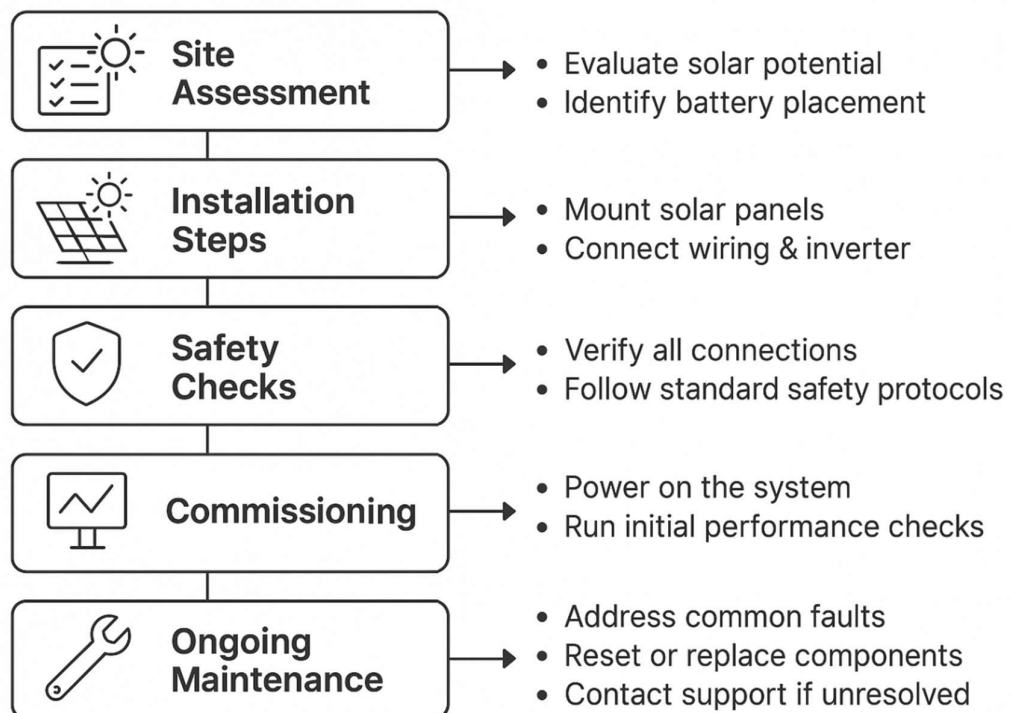
# Residential, Commercial & Industrial Solar Solutions

## Key Features:

- **24/7 Power Availability:** Solar during the day, BESS for the night or grid outages.
- **Maximized Solar Utilization:** Store excess solar energy and reduce export dependency.
- **Peak Load Management:** Shift energy consumption and reduce demand charges.
- **Zero Downtime for Critical Loads:** Reliable backup for sensitive equipment and operations.
- **Smart Energy Management:** Integrated EMS for automated dispatch and real-time monitoring.
- **Scalable for Future Needs:** Modular solutions for expanding energy requirements.



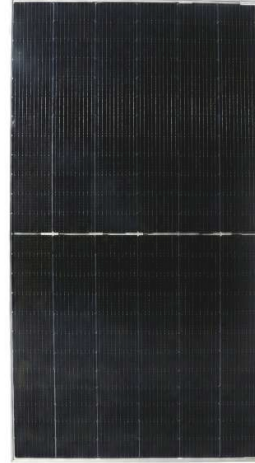
## Installation & Operation Basics



# Next-Generation Solar Performance



Non DCR Topcon  
595W



Non DCR Bifacial  
615W



## Key Features

- **25+ Years Warranty**
- **Available Capacities:** 550W DCR & 595W, 615W Non DCR
- **High-Efficiency Conversion:** Turn sunlight into electricity efficiently, even during low-light conditions or cloudy days.
- **Robust Construction:** Engineered to withstand harsh weather, high winds, and heavy loads, ensuring long-term reliability.
- **Maximized Roof Space:** Generate more power per square meter, making the most of your available installation area.
- **Seamless Integration:** Designed to work perfectly with Surin Smart Inverters and BESS for a complete energy ecosystem.



## Benefits

- **Immediate Cost Savings:** Start reducing your electricity bills from day one.
- **Long-Term ROI:** A typical Surin Solar System pays for itself in 4-5 years, providing free power for 25+ years.
- **Energy Independence:** Generate your own power and reduce dependence on the traditional grid.
- **Environmental Impact:** Significantly lower your carbon footprint by adopting clean, renewable energy.