



Introducing LinkSolar

2024

LINKSOLAR FOR INSTALLERS

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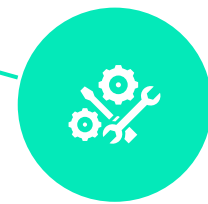
Streamlining Solar
Installations with
a Manufactured
All-in-One
Powerhub

Addressing **Key Challenges** for Installers



Simplifying Procurement

Sourcing the right components for solar installations can be a complex task, with varying suppliers, availability issues, and fluctuating prices. LinkSolar alleviates this by pre-sourcing high-quality inverters, batteries, and essential components, ensuring consistent supply and quality for every project. This allows installers to focus on delivering great service to their clients.



Efficient Installations

On-site installations can often require extensive setup due to the need for extensive wiring, setup, and testing. LinkSolar's PowerHub units are pre-installed and pre-commissioned in a controlled environment, reducing on-site work to quick, easy connections. This streamlined approach allows installers to complete projects faster and with greater ease.



Ensuring Compliance

Navigating industry standards and regulations can be complex, yet compliance is essential for every installation. Each PowerHub unit is built, tested, and signed off by certified professionals to ensure it meets all necessary standards, including SANS. This gives installers the confidence to deliver high-quality, compliant solutions.



Reliable Warranty Support

Managing multiple warranties across different products can be a hassle. At LinkSolar, we simplify this by partnering directly with OEMs, providing comprehensive warranties for our PowerHub units. This ensures that both installers and their clients are covered, making ensuring seamless and reliable after-sales support.



→ We procure all components...

Main Components



AC Switchgear



DC Switchgear



Cabling & Fuses



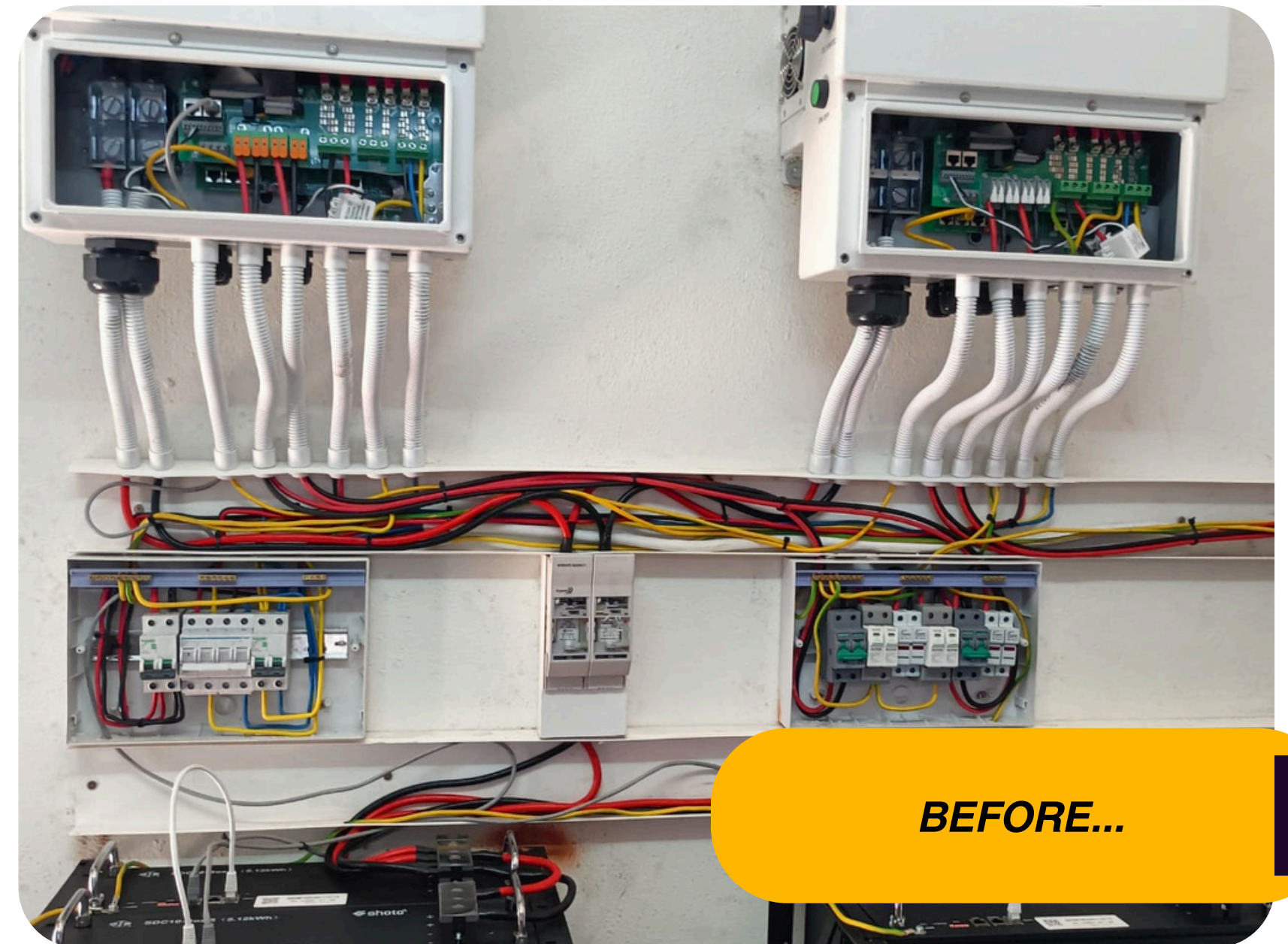
Installation Items



→ From Complex Wiring to Clean, Efficient Installations

Traditional solar installations often involve extensive on-site work, with complex wiring, multiple components, and lengthy setup times. This not only requires meticulous wire management but also extends installation timelines, leading to potential delays and higher labor costs.

We simplify the process by pre-installing and pre-wiring everything in a controlled environment. This means faster, cleaner installations that allow installers to focus on delivering exceptional service, rather than managing cables and connections on-site.



BEFORE...



Introducing the **Powerhub**

Why Choose PowerHub?

Fast & Efficient Installation

Reliable & Safe

Compact & Clean Design

AFTER...



Built with the *Best*

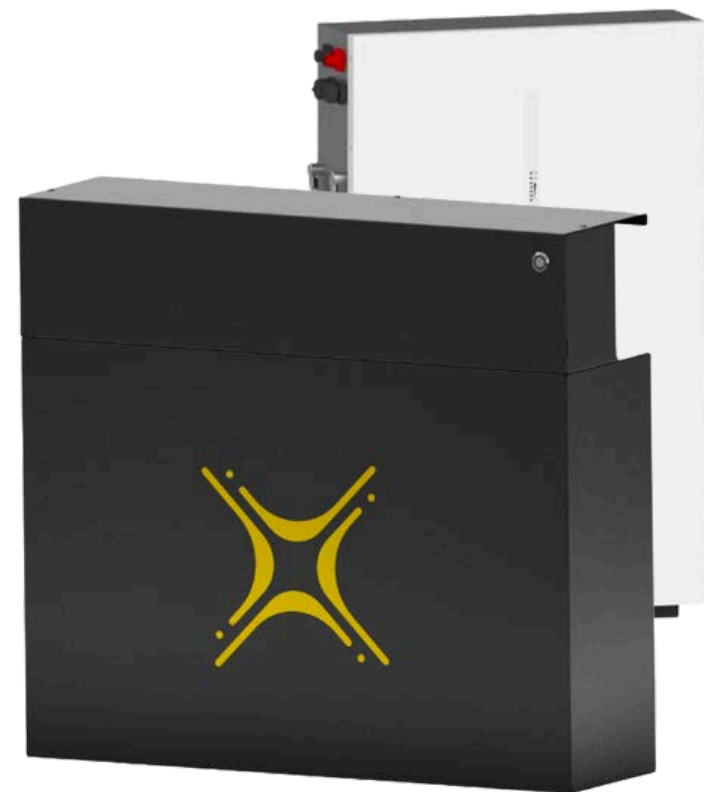
Our PowerHub units are built with the highest-quality components, sourced through our strong relationships with leading OEMs. This ensures seamless integration, reliability, and full support for warranties and guarantees.

Each unit is designed for long-term performance and meets the highest standards of safety and compliance, providing installers with a trusted, fully comprehensive solution.

Batteries

Advanced Lithium-Ion and LiFePO4 batteries, designed for long-term reliability, featuring 6,000+ cycles and backed by a 10-year warranty.

Brands: Deye, Sunsink, Lithium Valley, SAJ, SolarMD etc



>6000 Cycles | 10 Year Warranty

Components

Premium-grade components, including MCBs, cabling, and switchgear, ensuring maximum safety, durability, and compliance with the highest industry standards for reliable long-term performance.



Inverters

Top-tier inverters designed for optimal efficiency, offering seamless performance, advanced safety features, and backed by comprehensive warranties for long-term reliability.

Brands: Deye, Sunsink, Sungrow, SAJ, Megarevo etc



10 Year Warranty

Pre-Assembled & *Tested*

Each PowerHub unit is meticulously pre-wired, pre-installed, and pre-commissioned in a controlled environment to ensure the highest quality and efficiency.



Precision Wiring: Every wire is carefully cut, stripped, and crimped to exact specifications, ensuring seamless on-site integration.



Pre-Installed Inverters: The inverters are pre-installed and commissioned in our factory, with all necessary configuration and testing completed before reaching the site.



Load Testing: Comprehensive AC and DC load tests are performed to ensure optimal performance under real-world conditions.



Factory Installation by Certified Electricians: The installation of all components in our factory is carried out by qualified electricians, ensuring strict adherence to safety and technical standards.



Quality Control & Sign-Off: Each unit undergoes a rigorous quality control process and is signed off by an ECSA-registered engineer, ensuring full compliance with industry regulations.



Certified Compliance: Installations comply fully with the relevant SANS standards (SANS 10142-1 for low-voltage installations and SANS 10142-1-2 for photovoltaic systems).



Installation Simplified

Effortless On-Site Installation: Once on-site, all that's required is to connect the system to the client's DB (distribution board) and plug in the solar panels. Our pre-commissioned system makes installation fast, easy, and hassle-free.

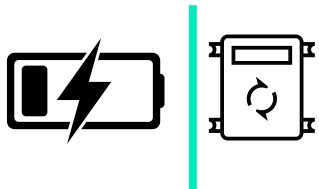


Advanced Safety



Fire Suppression System

Each PowerHub unit is fitted with a built-in fire suppression system to mitigate the risk of electrical fires, providing peace of mind in any environment.



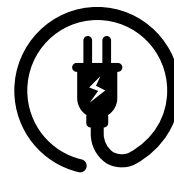
Battery and Inverter Separation

To enhance safety and efficiency, we separate the batteries and inverters into different compartments. This reduces the risk of overheating and minimizes the potential for electrical hazards.



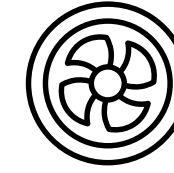
Temperature and Humidity Sensors

These sensors continuously monitor the internal environment of the PowerHub, ensuring that the system operates within safe temperature and humidity ranges, preventing overheating or condensation issues.



Contained Electrical Equipment

All electrical components are securely enclosed within the unit, protecting them from external elements and reducing the likelihood of damage or malfunction.



Cooling Fans and Ventilation

To maintain optimal operating conditions, the unit is equipped with cooling fans and proper ventilation to regulate temperature, ensuring efficient performance and extending the lifespan of all components.

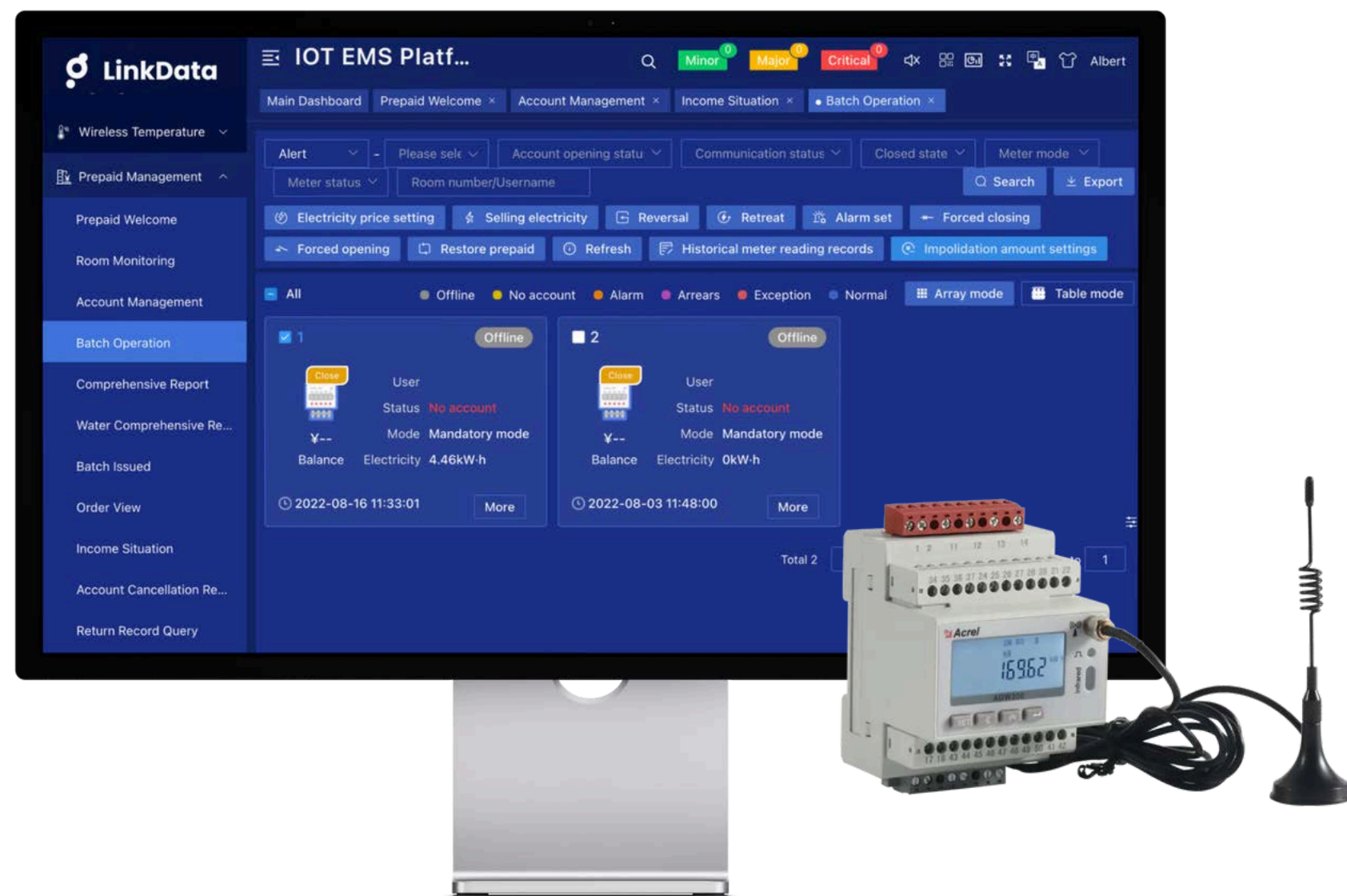


Compliance

- SANS 10142-1
 - SANS 10142-1-2
 - NRS 097-2-1 & 097-2-3:
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Protecting Your Investment

Each PowerHub unit is not just a product, but a secure, managed asset designed to protect your investment from the ground up.



Smart Electrical Meter

Each unit is equipped with a smart electrical meter that can be remotely monitored and controlled. This enables you to track usage and remotely disable the unit if necessary.

Prepaid Meter Functionality

The smart meter can also function as a prepaid system, requiring clients to pay their monthly premiums upfront to keep the unit operational. Clients can either pay for the energy they use or the monthly premium. If payments are missed, the unit can be switched off remotely, preserving battery cycles and preventing unauthorized usage.

Secure Lockable Units

All critical components, including inverters, batteries, and wiring, are housed inside a secure, lockable unit. This not only protects the assets from tampering and environmental damage but also makes it easy to recover the unit in case of non-payment.

Easy Asset Recovery

PowerHub units are easily removable for quick redeployment, simplifying the recovery process in case of non-payment.

Rugged, Weather-Resistant IP65 Enclosures for Reliable Outdoor Performance

→ Available on order



Custom Configurations: *Ready to Ship*

Choose Your Configuration

Tailor the PowerHub to meet your client's specific energy needs, ensuring flexibility and suitability for different projects.

5 – 50 kW Hybrid
Inverters



5 – 500 kWh Lithium
Batteries



1/3 Phase



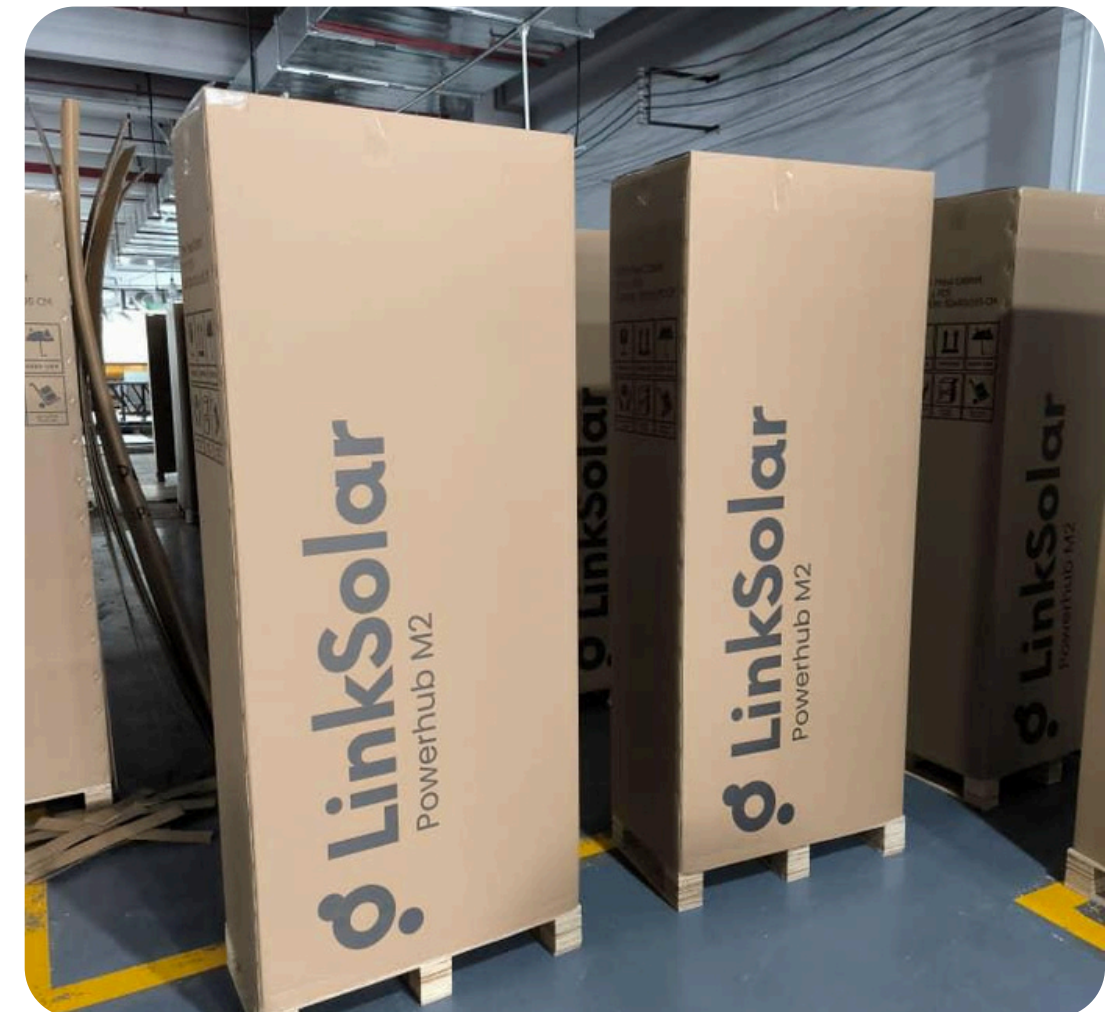
Parallel



Ready to Ship

Once your order is confirmed, the units are securely packaged and dispatched for fast, reliable delivery.

With everything pre-assembled, your PowerHub arrives installation-ready, minimizing on-site work and speeding up project completion.





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