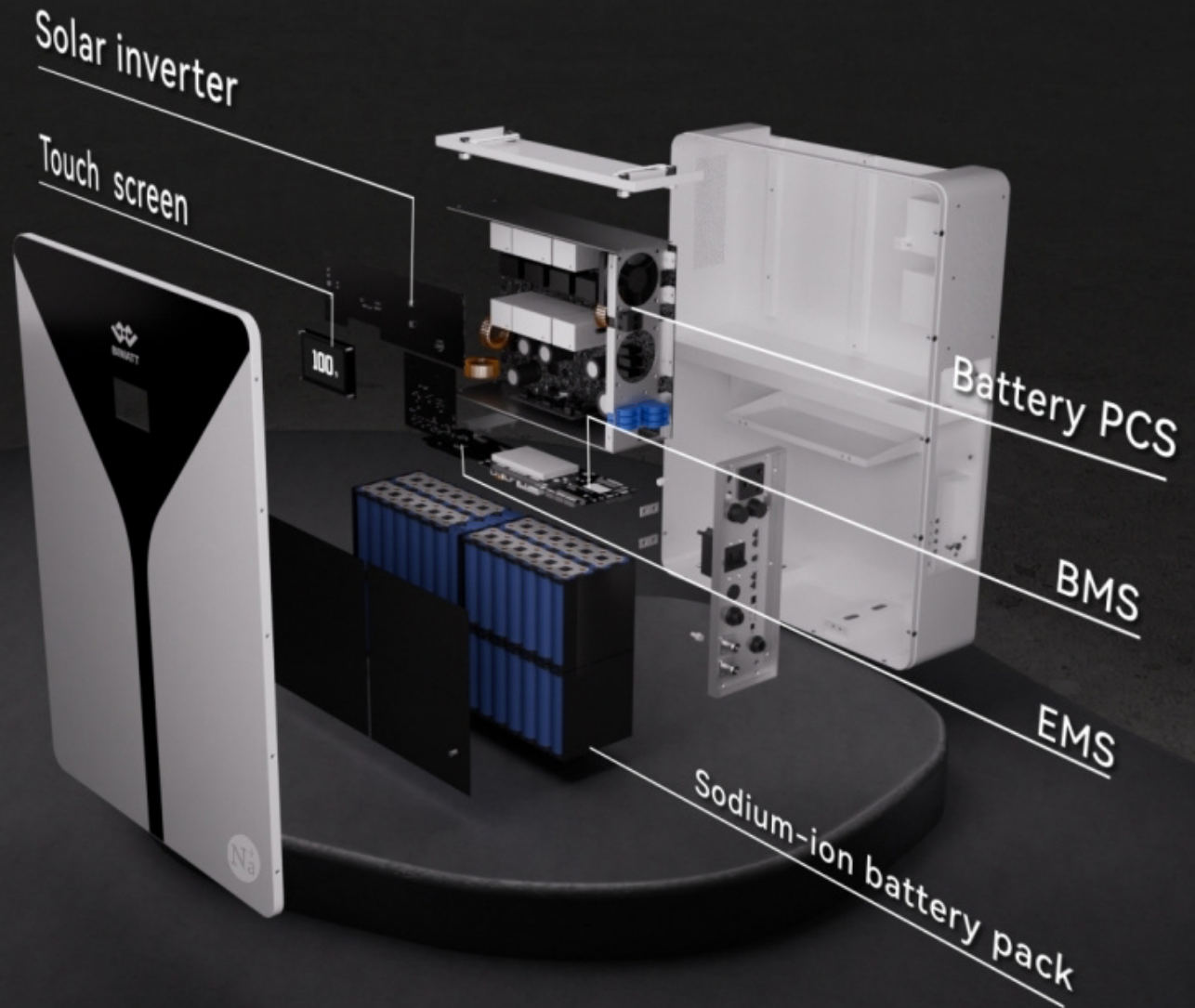


PowerNest

Safe guarding your loved ones while paving the way for a sustainable future.

It's more than just a power solution, but a commitment to a greener tomorrow.





W1 exploded diagram

Hybrid Inverter

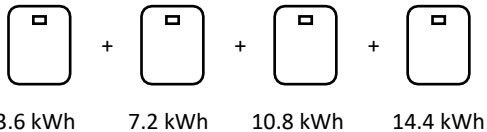
5.5kW

Satisfy **99%** of household power demands

Sodium-ion Battery

3.6–14.4 kWh

Expandable capacity for growing needs



Support EV AC Charger

*Additional purchase required

All-in-one

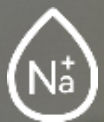
Integrating **PV inverter**, **battery PCS**, **sodium-ion battery pack**, **EMS**, **cloud services** and **EV charger**, into a robust, reliable, and efficient energy system for a seamlessly integrated renewable energy experience



Power your home

Charge your car





Natrium

Next-gen battery tech
Sodium-ion batteries



Efficient

All in one design
Fast charging



Safe

Four-layer ultra safety
protection



Tomorrow

Environmental sustainability for a
greener future

Natrium

Option for the reliable sodium-ion battery and embark on a journey into a new era of unstoppable energy

Next-gen battery tech

Sodium-ion battery

Abundance of sodium resources

Widely distributed in the Earth's crust and oceans

Recyclability of materials

This contributes to a more sustainable lifecycle for the batteries, aligning with broader environmental goals



The cutting-edge sodium-ion battery unfazed by the cold

Operating seamlessly even in extreme temperatures as low as -30°C
Winter chill no longer hampers battery performance



Efficient

PowerNest—a perfect blend of efficiency, speed, power, and simplicity



All in one design

Our system simplifies installation, slashing installation costs by 30%. Embrace the future of energy storage without the hassle

Fast charging

Charge 0–100% in 45min

High power density

Unleash greater energy with less capacity and minimal space requirements

Safe

Your safety is our priority, every step of the way

Proactive safety warnings

It proactively identifies potential risks and issues timely alerts, ensuring you stay ahead of any safety concerns

Comprehensive diagnostics

Continuous monitoring of battery health, early detection of anomalies and rapid corrective action

Real-time alerts

Our system keeps you informed, putting safety in the palm of your hand

Predictive maintenance

Anticipate potential maintenance needs and maximize the cycle life of ESS

Our sodium-ion batteries undergo the most stringent puncture tests, demonstrating a cell-level safety commitment by not catching fire or exploding



Tomorrow

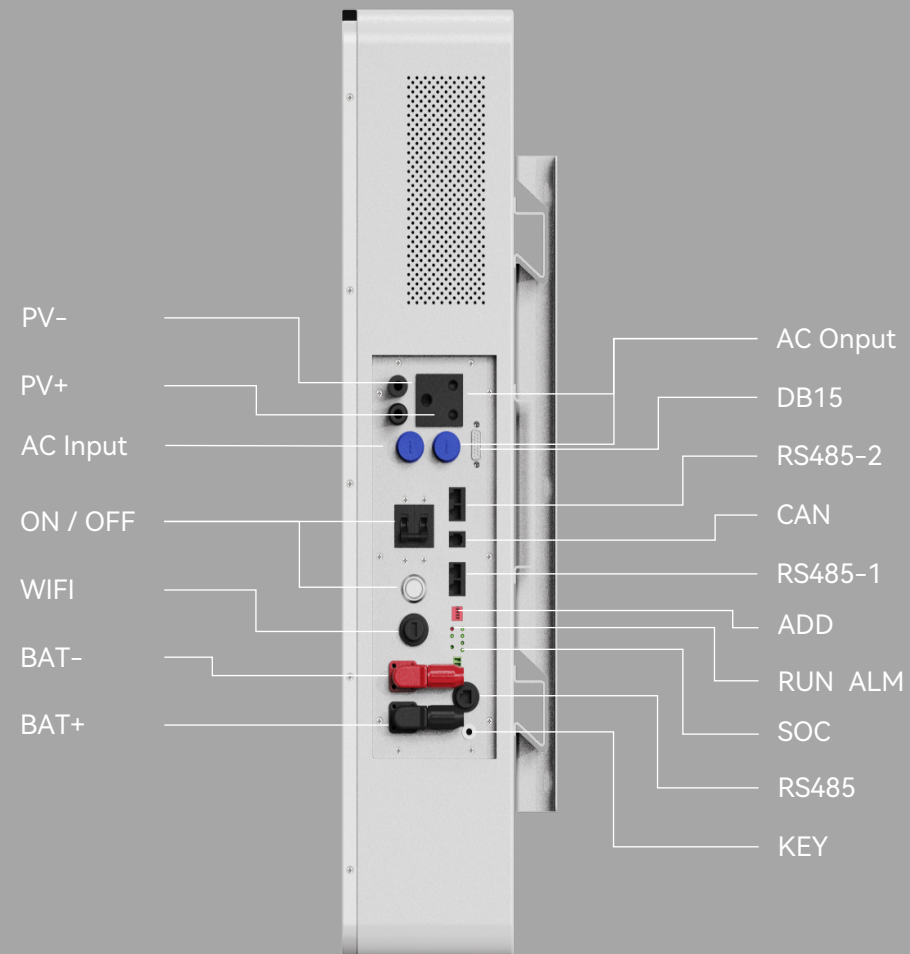
Let's

Embrace a greener, eco-friendly tomorrow

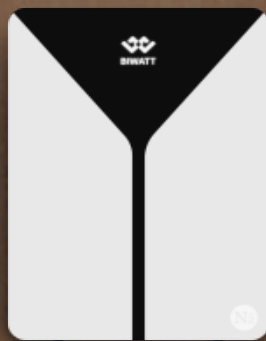
NEST



Interface Function Description



**Our system efficiently
integrates renewable
energy sources
Providing you with a
more eco-friendly energy
option,
we contribute to
sustainable energy
utilization**



**PowerNest not only delivers exceptional
energy performance
but also mitigates climate change,
reducing your carbon footprint**



Split series

S1

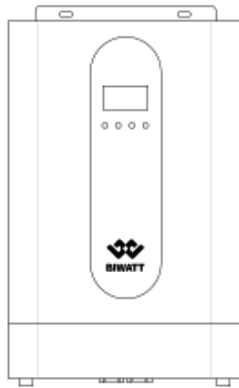
Split energy storage

Hybrid Inverter + Sodium-ion Battery Pack



Hybrid Inverter

5.5kW



Sodium-ion Battery Pack

3.6kWh-21.6kWh



Safe and eco-friendly

Sodium-ion batteries have short-circuit and thermal runaway, which is safer and more reliable than lead-acid batteries.

They are also more eco-friendly without pollution

Cost-effective

Sodium-ion batteries have a cycle life 5-6 times longer than lead-acid batteries, resulting in lower life cycle costs.

They support deep discharge, providing a greater usable energy capacity

Efficient and intelligent

Intelligent millisecond-level power switching ensures a seamless transition during power outages.

They can support a maximum discharge rate of 20C for UPS power supply applications