



POWERED BY



# H2B2 Series

AVAILABLE TODAY,  
BUILT FOR TOMORROW

**Modular | Scalable | VPP-Ready**





## A reliable, scalable, and cost-effective energy storage solution designed for EPCs and solar contractors.

The H2B2 system combines cutting-edge battery technology, an advanced hybrid inverter, and a microgrid interconnection device (MID) with intelligent, future-ready energy management. Its modular design ensures exceptional performance and scalability for any project.

Built for energy network providers and forward-thinking homeowners, H2B2 offers a developer-friendly API for effortless integration with Virtual Power Plants (VPPs) and Distributed Energy Resource Management Systems (DERMS), bridging the gap between software intelligence and hardware innovation.

Installing a new solar system or upgrading an existing one? H2B2 adapts to both DC and AC-coupled solar, enabling a fast, hassle-free installation—without the delays of long lead times.

## WHY CHOOSE H2B2

### Available Now

Win new business and begin projects sooner with a shorter lead time and immediate availability.



### Flexible Integration

Suitable for both DC and AC-coupled systems, H2B2 is a versatile choice for all your projects.



### Economical

H2B2 provides a better value than the Powerwall 3, offering greater capacity and scalability at a lower price point.



### Certified

UL 9540, UL 1741-SB, Rule 21, and CEC & HECO approved.



### Collaborative Focus

Collaborate with a company that listens, adapts, and tailors solutions to your project needs.



## FEATURES AND BENEFITS

### VPP & DERMS API

- Future-proof integration with energy networks.

### Modular Power & Storage

- Expand storage and power capacity as energy demands grow.

### 200A MID

- High-current throughput for demanding applications.

### DC-Coupled with MPPT

- Built-in maximum power point tracking for direct PV connection.

### AC-Coupled Support

- Retrofit seamlessly with existing solar installations.

### Generator Input Ready

- Hybrid system compatibility for backup power

### Integrated RSD Transmitter

- Enhanced safety for rapid shutdown compliance.

### Wi-Fi & Bluetooth Support

- Wireless communication for remote monitoring and control.

### Installer & Homeowner Apps

- Mobile and browser-based system commissioning and monitoring.

## Competitive Advantages

H2B2	TESLA POWERWALL 3
Modular Power & Energy	Fixed Capacity
Lower Cost	Premium Pricing

Product	AC & DC Coupled	Certified	Generator Input	NEMA 4X	Integrated RSD	Mobile App	WiFi & Bluetooth	Scalable Storage	In-Stock
H2B2	✓	✓	✓	✓	✓	✓	✓	✓	✓
PowerWall3	✓	✓	✗	✗	✓	✓	✓	✓	✗

## H2 Series

**SPLIT PHASE HYBRID INVERTER  
SOLAR MPPT AND HV BATTERY  
INPUTS**

16A per MPPT, integrated AFCI and Rapid Shutdown protection. Parallel up to four inverters for 48 kW of power.



## B2 Series

**HIGH VOLTAGE LITHIUM  
BATTERY**

B2 batteries can be installed quickly with included DC cabling, paralleled up to 87.6 kWh per inverter, and can be monitored and updated remotely. UL9450 certified with H2 inverters.



## SBU Series

**MICROGRID INTERCONNECTION  
DEVICE**

The SBU provides home backup with a service entrance ready 200A transfer capacity, support for up to four H2 inverters and a 22 kVA generator.



Pre Configured Systems	System Description
H2-12K-2B-SBU	12 kW / 14.6 kWh / 200A MID
H2-7.6K-2B-SBU	7.6 kW / 14.6 kWh / 200A MID
Available to Mix and Match	
Inverters	7.6, 12 kW
Battery	7.3, 14.6, 21.9 kWh
MID	200A

## Technical Features

**Power Output.** Parallel up to four inverters for 48 kW.

**Storage Capacity.** 7.3 kWh module supports 21.9 kWh in a single stack. Parallel up to four stacks for 87.6 kWh.

**Integration.**

- **DC-Coupled.** 16A per input per MPPT supports high-power PV modules (7.6kW: 3-MPPT, 12kW: 4-MPPT).
- **AC-Coupled.** Retrofit with existing PV inverter systems.
- **MID.** 200A grid, PV inverter and load capacity, 4x H2 inverters, and 22 kVA generator. V2L ready for 240V EV output.

**Monitoring.**

- **Installer & Homeowner Monitoring Apps:** Bluetooth accessible, plus WIFI mobile and web.

**Certified and Compliant.** UL 1741 SA-SB, IEEE 1547, UL 1998, UL 1699B, NEC 690.12, UL 9540, CEC, California Rule 21, NEM 3.0, and Hawaii HECO SRD V2.0.

## Applications & Use Cases

**Energy Cost Optimization**

- Reduce electricity bills by shifting energy use to low-cost periods.
- Automate peak shaving and mitigate demand charges with seamless grid interaction.

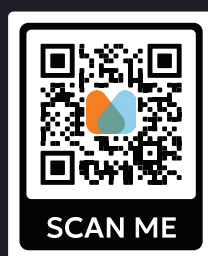
**Solar Energy Utilization**

- Optimize self-consumption by storing surplus solar energy for use at a later time.
- Reduce dependence on the power grid and enhance the value of solar installations.

**VPP and DERM Integration**

- Balance supply and demand by aggregating distributed energy resources.
- Defer upgrades to infrastructure and meet clean energy mandates.

Let's build a better energy future together. Partner with Discover Energy Systems for reliable, scalable, and certified energy storage solutions.



Contact Us Today:  
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**ORDER NOW!**