

# Vesta+vBox

4-in-1 Residential Green Energy Solution



Green Power



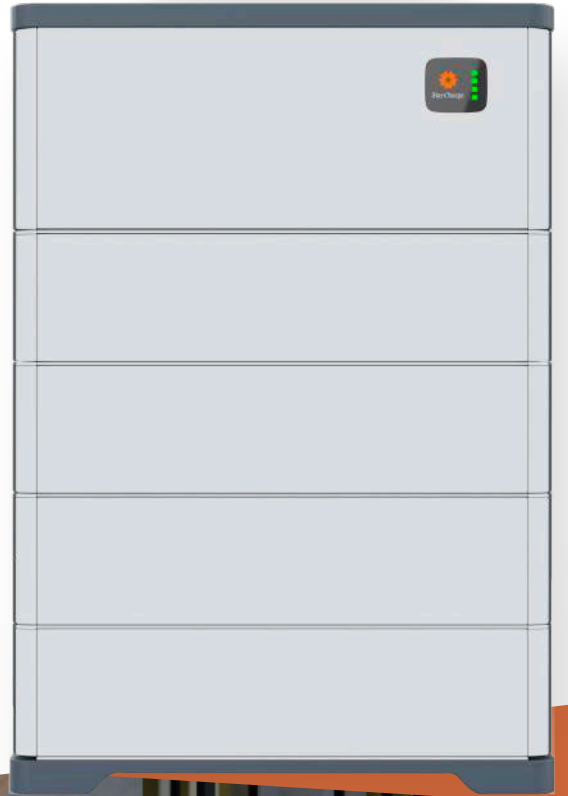
Backup Storage



Energy Management



Green Charging



# Vesta + vBox

## Achieve a Low-Carbon Lifestyle

Achieve a low-carbon, energy-independent lifestyle with our 4-in-1 solution designed for modern homes. The Vesta + vBox system seamlessly integrates solar power generation, energy storage, energy management, and EV charging into one comprehensive package. Built to perform reliably both indoors and outdoors, with IP65 (Vesta) and IP55 (vBox) ratings, this solution is perfect for reducing your carbon footprint, providing reliable backup power, and managing your energy use more efficiently. With the addition of our MicroGrid Interconnection Device (MID), your home remains fully powered even during grid outages, automatically switching to ensure uninterrupted comfort and peace of mind.



### Versatile Power Management

- Combines solar power, storage, utility, and EV charging in one system to meet all your energy needs.



### Direct EV Charging

- Efficiently directs power from solar panels, storage batteries, and the grid to keep your EV charged and ready to go.



### Whole Home Backup

- The MID ensures automatic power switching during outages, providing continuous energy to your home.



### Modular and Scalable Design

- The vBox battery system is expandable from 7 kWh to 40 kWh, adapting as your energy demands change.

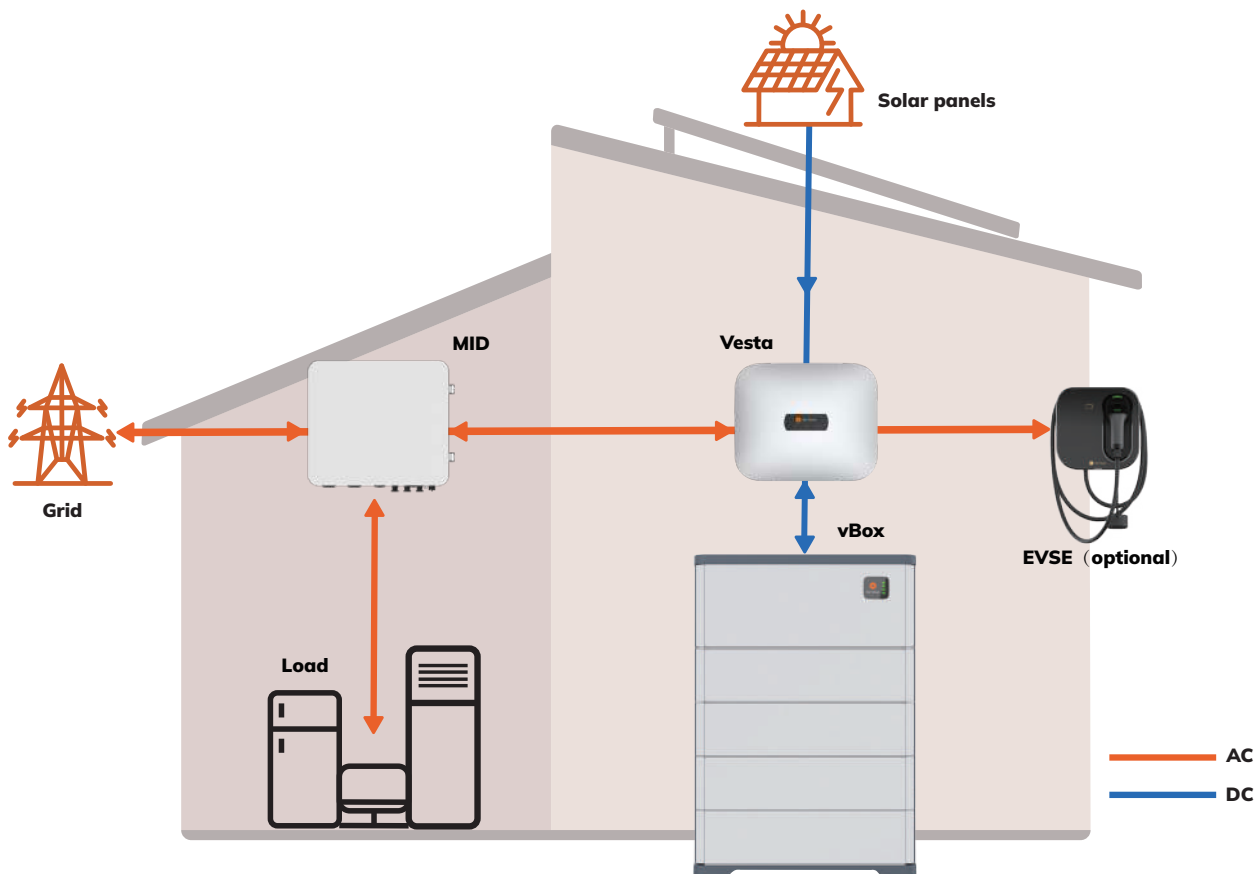


### Enhanced Safety and Durability

- Features advanced safety systems, including a Fire Control System (FCS) and Lithium Iron Phosphate (LFP) cells, for safe and reliable operation.

## Make Energy Independence a Reality

How it works: The integration of solar power, Vesta inverter, vBox battery storage, and MID creates an energy-independent house, with seamless whole-home backup during outages and optional EV charging.



## Easily Manage Your Home's Energy with the StarCharge Home App

### Self-Powered Mode

Uses solar energy to power your home first, storing any excess in the vBox battery to minimize reliance on the grid and reduce energy costs.

### Time-of-Use Mode

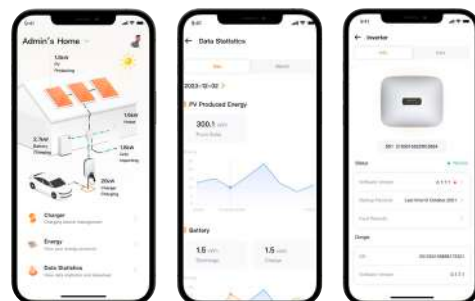
Charges the battery during off-peak hours when electricity rates are lower and uses stored energy during peak hours, helping you save on your electricity bill.

### Backup Mode

Maintains a reserve of solar energy in the battery for power outages, ensuring your home remains powered and providing peace of mind.

### EV Charging Mode

Manages energy flow from solar, battery, and grid sources to efficiently charge your EV, promoting green and cost-effective charging and reducing your carbon footprint.



# Specifications

Specifications are subject to change without notice.



Single-Phase	Vesta-2.5-S	Vesta-3.6-S	Vesta-4.6-S	Vesta-5.0-S	Vesta-6.0-S	Vesta-8.0-S
Peak efficiency	97.4%					
Max. input voltage	600 VDC					
MPPT operating voltage range	80 V to 500 VDC					
Max. output power	2800 VA	3960 VA	5000 VA	5500 VA	6600 VA	8800 VA
Grid voltage	220 V AC / 230 V AC					
Audible noise	< 45 dB (A) @ 1 m					
Interface	RS485, Bluetooth, WiFi					
Dimensions (W x H x D)	484x400x177 mm					
Weight	17 kg					
Ingress Protection	IP 65					

Three-Phase	Vesta-6-T	Vesta-8-T	Vesta-10-T	Vesta-12-T	Vesta-14-T
Peak efficiency	98.1%	98.1%	98.4%	98.4%	98.4%
Max. input voltage	1000 VDC				
MPPT operating voltage range	140 V to 950 VDC				
Max. output power	6600 VA	8800 VA	11000 VA	13200 VA	13800 VA
Grid voltage	220 V AC / 380 V AC, 230 V AC / 400 V AC, L1+L2+L3+N+PE				
Audible noise	< 45 dB (A) @ 1 m				
Interface	RS485, Bluetooth, Wi-Fi				
Dimensions (W x H x D)	484x400x177 mm				
Weight	17 kg	17 kg	19 kg	19 kg	19 kg
Ingress Protection	IP 65				



Model	vBox-7	vBox-10	vBox-14	vBox-17	vBox-20
Rated energy	6.9 kWh	10.3 kWh	13.8 kWh	17.2 kWh	20.7 kWh
DOD	>90%				
Max. output power	3.2 kW	4.8 kW	6.4 kW	8.0 kW	9.6 kW
Charge-discharge rate	0.42 C				
Dimensions (W x H x D)	799x767x218mm	799x959x218mm	799x1150x218mm	799x1342x218mm	799x1533x218mm
Weight	80 kg	109 kg	138 kg	167 kg	196 kg
Ingress Protection	IP55				
Audible noise	<30 dB				



Model	MID-63S	MID-63T
Rated voltage	220 V / 230 V	380 V / 400 V
Rated frequency	50 Hz / 60 Hz	50 Hz
Max. current	63 A	
Switchover time	< 20 ms	
Compatible inverter	Vesta-2.5/3.6/4.6/5.0/6.0/8.0-S	Vesta-6/8/10/12/14-T
Interface	RS485	
Dimensions (WxHxD)	500x440x120 mm	
Weight	6.8 kg	7.5 kg
Ingress protection	IP 65	