



vBox is an energy storage system which is specially designed for Smart Home. It is modular designed for free and compatible battery capacity selection based on customers' requirements. This device could store energy from grid or PV panel, and provide power supply for all applications indoor at any time.



vBox Energy Storage System



Safety

Equipped with various electrical protection functions



Modular Design

The capacity is easy to vary on your actual needs by adding or removing the units



One-stop

Provides a total solution that includes green energy generation, storage, charging and consumption



Specifications

Product Name	vBox-7	vBox-10	vBox-14	vBox-17	vBox-20
Performance					
Power module	vBox-7KW-C				
Number of power module	1				
Battery module	vBox-3.5-M				
Battery module energy	3.46 kWh				
Number of battery modules	2	3	4	5	6
Total energy	6.9 kWh	10.3 kWh	13.8 kWh	17.2 kWh	20.7 kWh
Usable energy ⁽¹⁾	6.2 kWh	9.3 kWh	12.4 kWh	15.6 kWh	18.6 kWh
Operating voltage range	108.0-129.6 V	162.0-194.4 V	216.0-259.2 V	270.0-324.0 V	324.0-388.8 V
DOD	> 90%				
Rated power ⁽²⁾	≥2.7 kW	≥4.1 kW	≥5.4 kW	≥6.8 kW	≥8.1 kW
Max. output power ⁽³⁾	3.2 kW	4.8 kW	6.4 kW	8.0 kW	9.6 kW
Nominal voltage (single-phase system)	437 V				
Operation voltage range (single-phase system)	360-480 V				
Nominal voltage (three-phase system)	750 V				
Operation voltage range (three-phase system)	690-950 V				
Max. charge / discharge current	25 A				
Charge-discharge rate	0.42 C				
Communication					
Interface	RS485				
General Parameter					
Dimensions (W x H x D)	799×767×218mm	799×959×218 mm	799×1150×218 mm	799×1342×218 mm	799×1533×218 mm
Weight	80 kg	109 kg	138 kg	167 kg	196 kg
Power module dimensions (W x H x D)	798×335×218 mm				
Power module weight	20 kg				
Battery module dimensions (W x H x D)	795×218×218 mm				
Battery module weight	29 kg				
Installation	Floor mounting				
Operating temperature range	-20°C to +55°C (Power derating above 45°C)				
Operating altitude	≤ 2000 m				
Humidity	0%-95% RH				
Cooling	Natural Convection				
IP rating	IP55				
Audible noise	<30 dB				
Cell technology	LFP				
Compatible inverters	Vesta-5.0/6.0/8.0-S				
Warranty	10 years				
Country of manufacture	China				
Standards and Compliance					
Standards and compliance	IEC62619, IEC60730-1 Annex H, IEC63056, IEC/EN61000-6-1/-3, IEC/EN62477-1, IEC/EN62040-1, UN38.3+MSDS, Marine Identification Report				

(1) Test conditions: Based on the manufacturing date, with 100% Depth of Discharge (DoD), at 25°C, and a 0.2C charge/discharge rate.
(2) The continuous output power of the battery before reaching the discharge cut-off voltage.
(3) The maximum output power when the battery is fully charged.

Note: Pictures are for reference only, please prevail in kind.