



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	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
Rated energy	6.9 kWh	10.3 kWh	13.8 kWh	17.2 kWh	20.7 kWh
DOD	> 90%				
Rated power ⁽¹⁾	≥2.7 kW	≥4.1 kW	≥5.4 kW	≥6.8 kW	≥8.1 kW
Max. output power ⁽²⁾	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 to 480 V				
Nominal voltage (three-phase system)	750 V				
Operation voltage range (three-phase system)	690 to 950 V				
Max. charge / discharge current	25 A				
Charge-discharge rate	0.42 C				
Communication					
Interface	RS485				
General Specification					
Cycle life	10 y / 4,000 cycles (25°C)				
Dimensions (W x D x H)	799×218×767 mm	799×218×959 mm	799×218×1150 mm	799×218×1342 mm	799×218×1533 mm
Weight	80 kg	109 kg	138 kg	167 kg	196 kg
Power module dimensions (W x D x H)	798×218×335 mm				
Power module weight	18.5 kg				
Battery module dimensions (W x D x H)	795×218×218 mm				
Battery module weight	29 kg				
Installation	Floor mounting				
Operating temp. range	-20 °C to +55 °C (Power derating above 45 °C)				
Operating altitude	≤ 2000 m				
Humidity	5% to 95%				
Cooling	Natural Convection				
Ingress Protection	IP 55				
Audible noise	< 30 dB				
Cell technology	LFP				
Scalability	Max. 2 systems in parallel operation				
Compatible inverters	Vesta-2.5/3.6/4.6/5.0/6.0/8.0-S Vesta-6/8/10/12/14-T				

(1) The continuous output power of the battery before reaching the discharge cut-off voltage.
(2) The maximum output power when the battery is fully charged.