



**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
<b>Performance</b>					
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
Usable energy	6.2 kWh	9.3 kWh	12.4 kWh	15.6 kWh	18.6 kWh
DOD			90%		
Max. output power	2.5 kW	3.8 kW	5.0 kW	6.4 kW	7.6 kW
Peak output power	3.3 kW, 30 s	5.0 kW, 30 s	6.6 kW, 30 s	8.4 kW, 30 s	10 kW, 30 s
Nominal voltage (single-phase system)			400 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 900 V		
Max. charge / discharge current			25 A		
<b>Communication</b>					
Interface			RS485		
<b>General Specification</b>					
Cycle life			10 y / 4,000 cycles (25°C)		
Dimension (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 dimension (W x H x D)			799×218×335 mm		
Power module weight			17 kg		
Battery module dimension (W x H x D)			795×218×191 mm		
Battery module weight			29 kg		
Installation			Floor mounting / Wall mounting		
Operating temp. range			-10 °C to +40 °C (Power derating above 35 °C)		
Operating altitude			≤ 2000 m		
Humidity			0% to 95%		
Cooling			Natural Convection		
Ingress Protection			IP 55		
Audible noise			< 55 dB		
Cell technology			LFP		
Scalability			Max. 2 systems in parallel operation		
Compatible inverters			Vesta-2.5/3.6/4.6/5.0/6.0/8.0KTL-S Vesta-6/8/10/12/14KTL-T Vesta-4/8/10KTL- L		
<b>Standards and Compliance</b>					
Standards and compliance (pending)			IEC62619+IEC60730 Annex H, IEC63056, EN61000-6-2/-4, EC/EN62477, UN38.3+MSDS Marine Identification Report, UL1973, UL9540A, UL9540		