



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

Model	vBox-7	vBox-10	vBox-14	vBox-17	vBox-20
Performance					
Power Module	vBox-10KW-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%				
Continuse Output Power	3.2 kW	4.8 kW	6.4 kW	8.1 kW	9.7 kW
Rated Power	3.4 kW	5.1 kW	6.9 kW	8.6 kW	10.3 kW
Nominal Voltage (Split-phase System)	420 V				
Operation Voltage Range (Split-phase System)	380 to 550 V				
Max. Charge / Discharge Current	30 A				
Charge-Discharge Rate	0.5 C				
Communication					
Interface	RS485				
General Specification					
Cycle Life	10 y / 4,000 cycles (25°C)				
Dimension (W X H X D)	31.5 × 30.2 × 8.6"	31.5 × 37.8 × 8.6"	31.5 × 45.3 × 8.6"	31.5 × 52.9 × 8.6"	31.5 × 60.4 × 8.6"
Weight	176.4 lb	240.3 lb	304.3 lb	368.2 lb	432.1 lb
Power Module Dimension (W X H X D)	31.5×13.2×8.6"				
Power Module Weight	37.5 lb				
Battery Module Dimension (W X H X D)	31.3×7.6×8.6"				
Battery Module Weight	64 lb				
Installation	Floor mounting				
Operating Temp. Range	-4 °F to +131 °F (Power derating above 104 °F)				
Operating Altitude	≤ 6500 ft				
Humidity	5% to 95%				
Cooling	Natural Convection				
NEMA Enclosure	Type 4				
Audible Noise	< 30 dB				
Cell Technology	LFP				
Scalability	Max. 2 systems in parallel operation				
Compatible Inverters	Vesta-4/8/10- L				
Standards and Compliance					
Standards and Compliance	IEC 62619+IEC 60730 Annex H, IEC 63056, EN 61000-6-1/-3, IEC/EN 62477, UN 38.3+MSDS Marine Identification Report, UL 1973, UL 9540A, UL 9540				