



# Storage Brick Battery

## Storage Brick Battery S-BOX Series 5KW - 30KW



### Key Features:

- Strict standards for cells and pack technology enable the quality and stability.
- All battery use safer Lithium iron phosphate cells.
- Battery cycles reach 6000+ times at 80% DOD.
- Good adaptability for high / low temperature.
- Special stackable brick design, easy and simple for installation and capacity expansion.
- BMS (Battery Management System) support RS232 / RS485 / Canbus etc communication ports.
- Parallel function is available, max can parallel 15pcs.
- Compatibility with any brands of Inverters.

**Shenzhen UPSen Electronic CO.,Ltd.**  
[www.upsen.net](http://www.upsen.net)

# Technical Specification:

Model	SBOX-5000L	SBOX-10000L	SBOX-15000L	SBOX-20000L	SBOX-25000L	SBOX-30000L
Nominal Voltage	51.2V(16series)	51.2V(16series)	51.2V(16series)	51.2V(16series)	51.2V(16series)	51.2V(16series)
Capacity	100Ah	200Ah	300Ah	400Ah	500Ah	600Ah
Energy	5.12KWh	10.24KWh	15.36KWh	20.48KWh	25.6KWh	30.72KWh
Internal Resistance	≤30mΩ	≤30mΩ	≤30mΩ	≤30mΩ	≤30mΩ	≤30mΩ
Cycle Life	≥5000 cycles @ 80% DOD,25°C,0.5C ≥4000 cycles @ 80% DOD,40°C,0.5C					
Design Life	≥10 Years					
Charge Cut-off Voltage	56.0V ± 0.5V					
Max. Continuous Work Current	100A	200A	300A	400A	400A	400A
Discharge Cut-off Voltage	45V ± 0.2V					
Charge Temperature	0°C ~ 60°C (Under 0°C Extra Heating Mechanism)					
Discharge Temperature	-20°C ~ 60°C (Under 0°C Work with Reduced Capacity)					
Storage Temperature	-40°C ~ 55°C @ 60% ± 25% Relative Humidity					
Dimensions(L*W*H)mm	590*375*185	590*375*370	590*375*555	590*375*740	590*375*925	590*375*1110
Weight(KG)	50	100	150	200	250	300
Protocol (optional)	RS232-PC RS485(B)-PC RS485(A)-Inverter CANBUS-Inverter					
Certification	IEC62619,UN38.3,MSDS					
*Specification is subject to change without prior notice.						

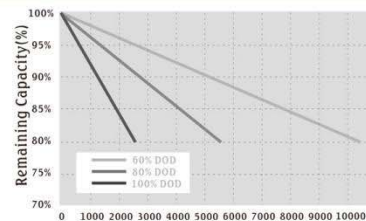
## POWERFUL

- Adopt car gauge batteries and PACK technology, with good stability;
- All PACKs use lithium iron phosphate batteries with high safety;
- 80% DOD depth of discharge, battery life up to 6000 times;
- Strong temperature adaptability, not afraid of high temperature / low temperature.

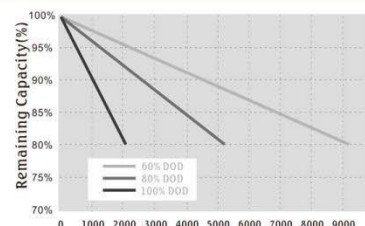
## SIMPLE TO USE

- Special structure design, simple and safe installation;
- BMS supports 232/485/CANBUS communication function;
- The battery pack supports parallel expansion of the system;
- Can interact well with inverter (PCS),
- The energy storage system is maintenance-free.

## Different discharge depth life curves &25°C 0.5C



## Different discharge depth life curves &40°C 0.5C



# Technical Specification:

Model	SBOX-15000H	SBOX-20000H	SBOX-25000H	SBOX-30000H
Nominal Voltage	153.6V(48series)	204.8V(64series)	256V(80series)	307.2V(96series)
Capacity	100Ah	100Ah	100Ah	100Ah
Energy	15.36KWh	15.36KWh	20.48KWh	25.6KWh
Internal Resistance	≤80mΩ	≤100mΩ	≤120mΩ	≤150mΩ
Cycle Life	≥5000 cycles @ 80% DOD,25℃,0.5C ≥4000 cycles @ 80% DOD,40℃,0.5C			
Design Life	≥10 Years			
Charge Cut-off Voltage	168V ± 0.5V	228V ± 0.5V	284V ± 0.5V	340V ± 0.5V
Max. Continuous Work Current	100A			
Discharge Cut-off Voltage	135V ± 0.5V	180V ± 0.5V	225V ± 0.5V	270V ± 0.5V
Charge Temperature	0℃ ~ 60℃ (Under 0℃ Extra Heating Mechanism)			
Discharge Temperature	-20℃ ~ 60℃ (Under 0℃ Work with Reduced Capacity)			
Storage Temperature	-40℃ ~ 55℃ @ 60% ± 25% Relative Humidity			
Dimensions(L*W*H)mm	590*375*185	590*375*370	590*375*555	590*375*740
Weight(KG)	50	100	150	200
Protocol (optional)	RS232-PC RS485(B)-PC RS485(A)-Inverter CANBUS-Inverter			
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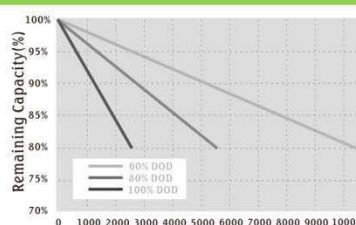
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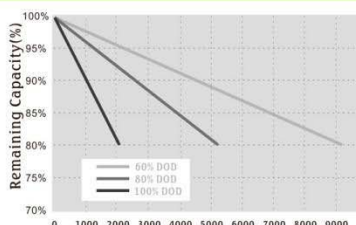
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