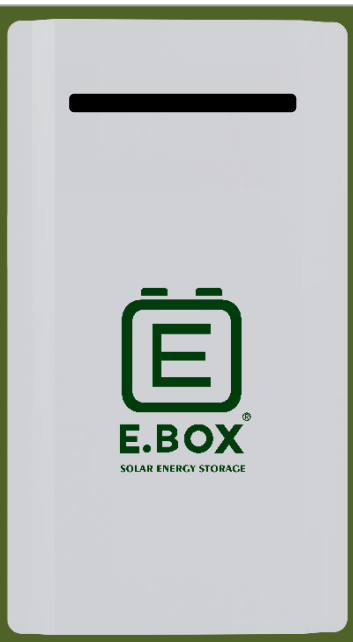
E.BOX®
SOLAR ENERGY STORAGE

E-BOX16C 16KWH Datasheet

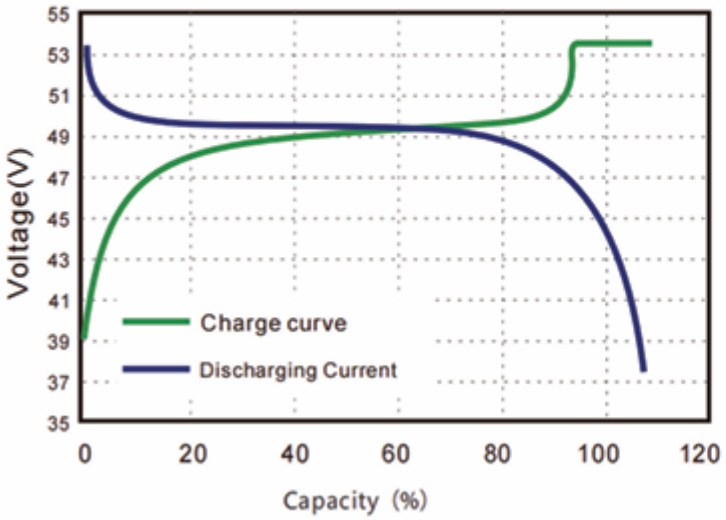


SOLAR E Lithium Iron Phosphate
51.2V 314Ah

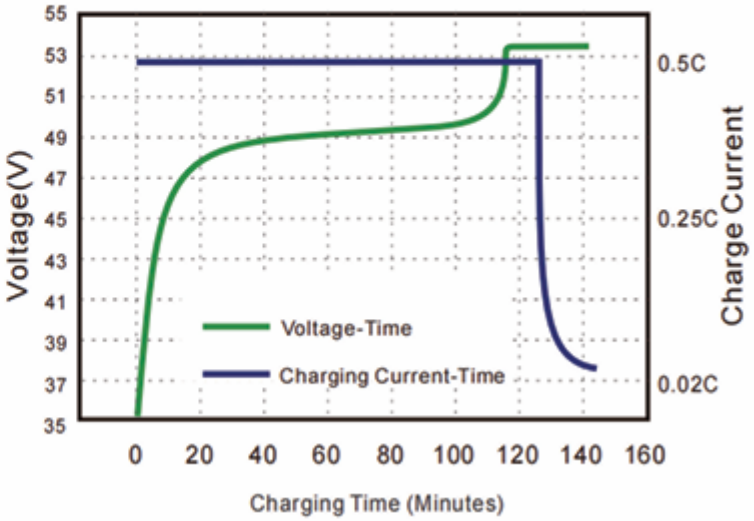
- Smart BMS with current limiting function
- CAN Bus, fully integrates and communicates with leading Inverter brands(Growatt,SOLAX,LUXPower,DEYE,MUST, Voltronic,Victron,SMA...etc.)
- Excellent high temperature performance
- High Cycle Life and Service Life
- High Energy Density and conversion efficiency
- Complete with integrated Battery Management System
- Compatible with most Inverters and chargers
- Bluetooth monitor，APP monitor and wifi OTA remote upgrading
- Heavy duty side handles for easy handling and mounting on the wall
- Built in protection for over-charge, over-discharge & over-temperature

Charging and Discharge curve

● Charge and discharge curve@0.5C 25℃

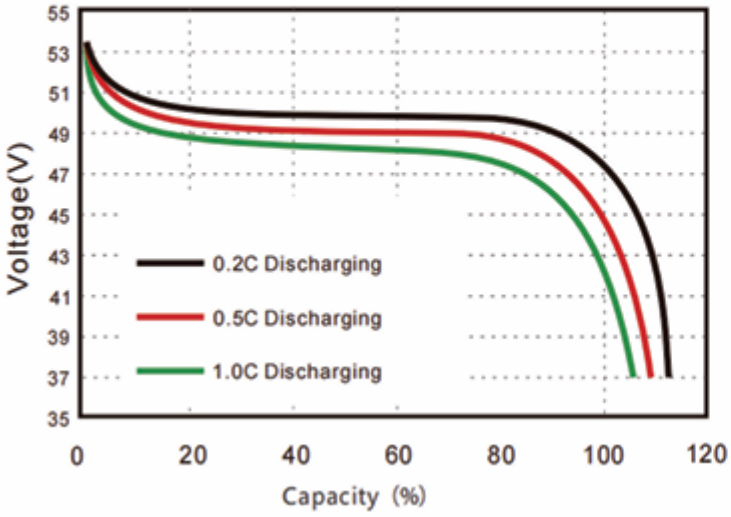


● Charging Characteristics @0.5C 25℃

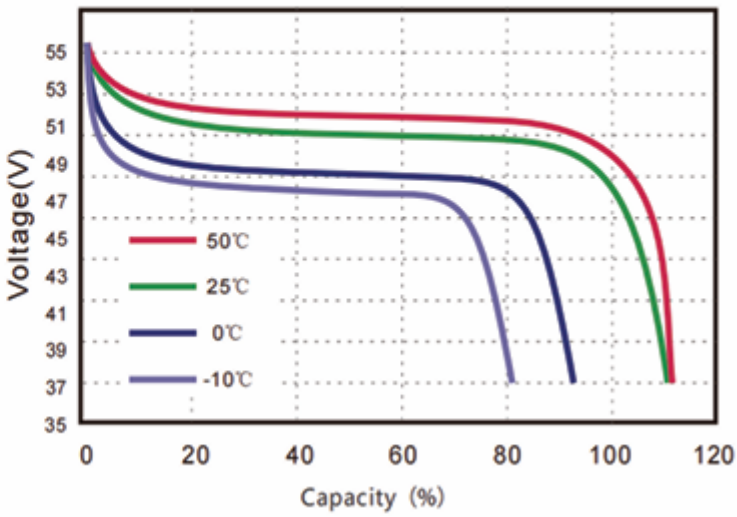


Different current/Temperature Discharge curves

● Different Rate Discharge Curve @25℃

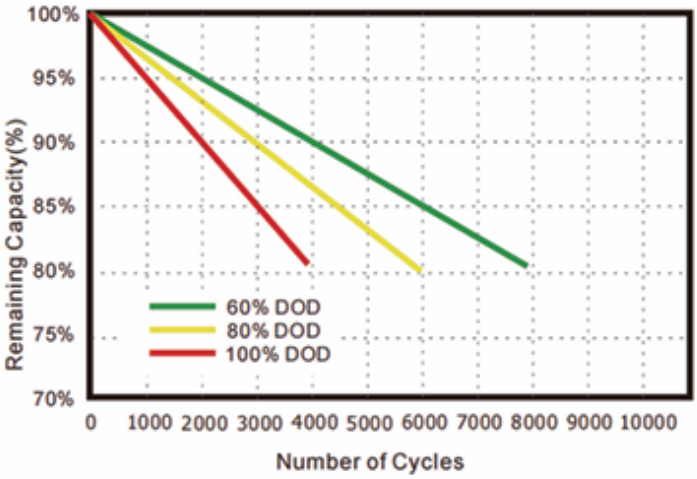


● Different Temperature Discharge Curve @0.5C

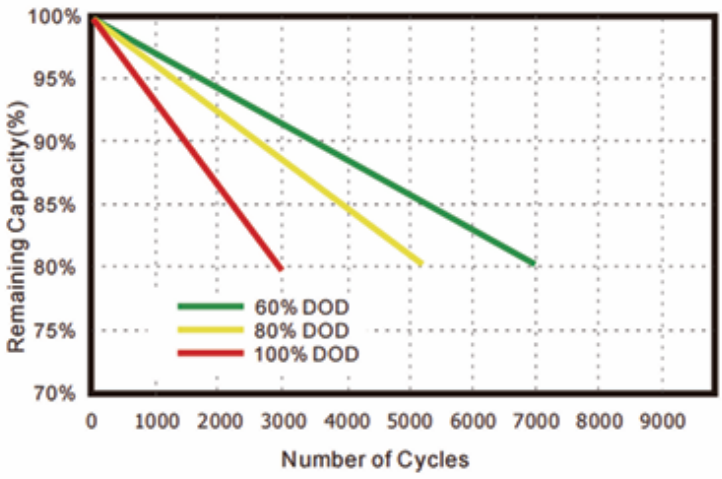


Cycle Life Curve

● Different discharge depth life curves &25℃0.5C



● Different discharge depth life curves &40℃0.5C



SOLAR E ENERGY
STORAGE SYSTEMS

ITEM	SPECIFICATION		
Model	E-Box16C 16KWH		
Rated Capacity (5HR)	314 Ah		
Voltage	51.2 V		
Discharge Cut off Voltage	44.8 V		
Equalized Charge Voltage	56.8 V		
Max. Continuous Charging Current	100 A		
Max. Continuous Discharging Current	120 A		
Weight	Approx. 120 Kg		
Parallel	Parallel connection up to 15 packs with full communications		
Dimensions (WxDxH) mm	900mm x 430mm x 228mm		
Ports	1x CAN-bus, 1x RS-485 Battery Link ports, 2x Parallel Instruction ports		
Cells	Cornex / GanfengLithium / CATL		
BMS	Pace BMS,200A current available		
Warranty	5 Years		
Design Life	+/- 15 Years		
Cycle Life @ 0.5C	+/- 4000 Cycles @ 100% DOD, Above 6000 cycles @ 80% DOD		
Certification	UN38.3,IEC,MSDS		
Outer Package Material	White bake lacquer steel case		
Operating Temperature	Charging: 0 to +50°C	Discharging: -10 to +50°C	Storage: -10 to +50°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Current Limiting		
Compatible Inverter	Deye,Growatt,Sunsynk,Luxpower,Victron,SMA,Voltronic...etc.		

** Due to continuous product improvements, specifications are subject to change without further notice.*



SOLAR E ENERGY
STORAGE SYSTEMS