







Sunnix Energy 12.8V Series Lithium Battery

- 50AH
- 100AH
- 200AH
- 300AH

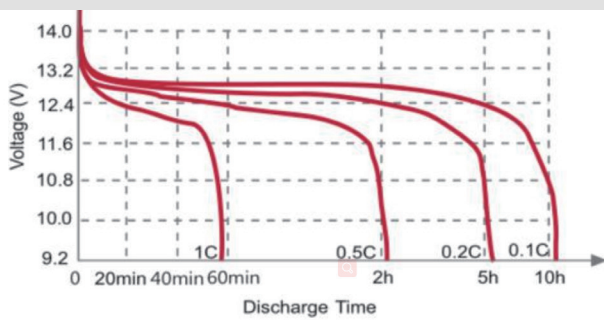


 LiFePO4 Safe Battery Chemistry	 Lead Acid Replacement
 65% Lighter than Lead Acid	 >4,000 Cycles at 90% DOD
 Built in BMS to Keep Safe	 Free Maintenance

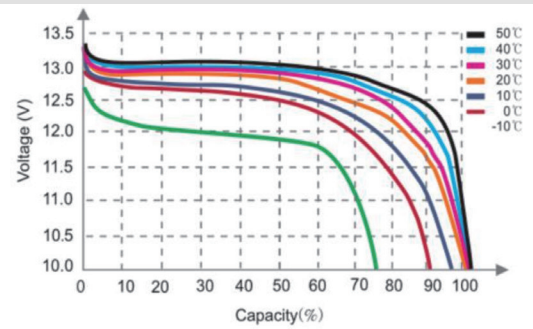
SPECIFICATIONS

Model	SNE-ES R0.6	SNE-ES R1.2	SNE-ES R2.6	SNE-ES R3.8
Nominal Voltage (V)	12.8			
Rated Capacity (Ah)	50	100	200	300
Nominal Energy (Wh)	640	1280	2560	3840
Round-Trip Efficiency	≥98%			
Operating Voltage(V)	10 -14.6			
Max Charge/Discharge Current(A)	50	50	100	100
Enclosure Protection Rating	IP65			
Charge Temperature (°C)	0 – 55			
Discharge Temperature (°C)	-20 – 60			
Dimension (W*H*D, mm)	223*150*175	260*168*209	484*171*241	522*240*218
Weight (Kg)	5.6	11	21	28.8
Cycles Life	>4,000			
Recommend DOD	90%			
Design Life	10+ Years (25°C @77°F)			
Terminal	M8			
Warranty	3 Years			
Protection	Over charge/discharge, over current, over temp, short circuit, balance			
Scalability	Max.4 Pcs in Series			

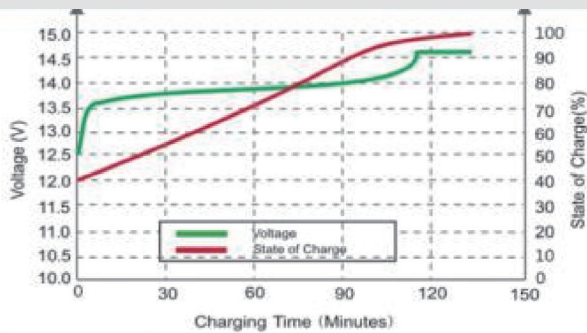
Different Rate Discharge Curve(25 °C)



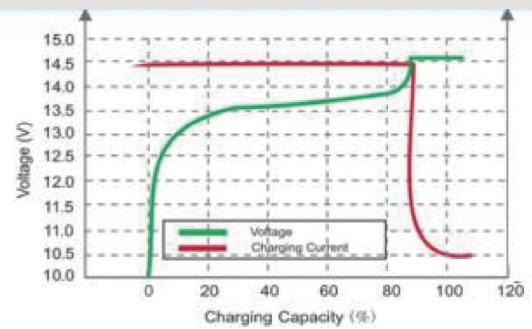
Different Temperature Discharge Curve(0.5C)



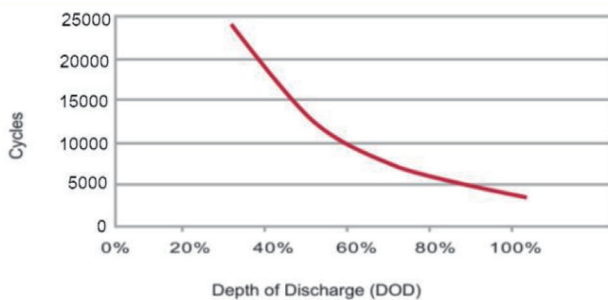
State of Charge Curve(0.5C, 25 °C)



Charging Characteristics(0.5C, 25 °C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve

