

12.8V 50Ah Battery Data Sheet				
NO.	Item	General Parameter		Remark
1	Battery type	Lifepo4 battery		lifepo4 3.2V 50Ah cell
2	Rated voltage	12.8 V		Work voltage
3	Standard capacity	50 Ah		
4	Rate Power	640 Wh		
5	Internal Impedance	≤ 30 mΩ ( AC 1 kHz )		
6	Max. Charge voltage	14.6 V		Voltage of Charger Selection
7	Cut-off voltage	10 V		BMS discharge voltage cut-off
8	Standard charge current	5 ~ 50 A		Max charge current 50 A
9	Continuous discharge current	5 ~ 50 A		
10	Peak Continuous discharge current	75 A		10 seconds
11	Battery dimension	229*138*208 mm		
12	Total weight (Approx.)	6.2 kg		Gross weight.
13	(CC/CV) Charge method (CC/CV)	Standard	0 °C ~ 25 °C	Charge
		Discharge	-20 °C ~ 60 °C	
		Storage	5 °C ~ 25 °C	
14	Capacity @ shipment	20 % - 30 %		
15	Ingress Protection	IP61		
16	Cycle life	≥ 5000 times		
17	Composed Type	4S1P		
18	BMS	Cell Over charge voltage protection		3.65 ± 0.025 V
		Cell over discharge protection		2.5 ± 0.02 V
		Balancing current		35 mA
		Balancing voltage		3.4 V
		Self consumption		Working current: 20 mA, Sleep current: 400 uA
		Pack Charge overcurrent protection		50 A
		Pack Discharge overcurrent protection		75 A
		Short circuit protection		50 A 300 us
High temperature protection		65 °C		
Low temperature protection		-5 °C		
19	Warranty time	5 years		

