

12.8V 12Ah Battery Data Sheet

NO.	Item	General Parameter	Remark
1	Battery type	Lifepo4 battery	lifepo4 3.2V 12Ah cell
2	Rated voltage	12.8 V	Work voltage
3	Standard capacity	12 Ah	
4	Rate Power	153.6 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	1 ~ 12 A	Max charge current 12 A
9	Continuous discharge current	1 ~ 12 A	
10	Peak Continuous discharge current	18 A	10 seconds
11	Battery dimension	181*77*170 mm	
12	Total weight (Approx.)	1.8 kg	Gross weight.
13	(CC/CV) Charge method (CC/CV)	Standard	0 °C ~ 25 °C
		Discharge	-20 °C ~ 60 °C
		Storage	5 °C ~ 25 °C
14	Capacity @ shipment	20 % - 30 %	
15	Ingress Protection	IP61	
16	Cycle life	≥ 2500 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	12 A
		Pack Discharge overcurrent protection	18 A
		Short circuit protection	50 A 300 us
		High temperature protection	65 °C
Low temperature protection	-5 °C		
19	Warranty time	3 years	

