

12.8V 100Ah Battery Data Sheet				
NO.	Item	General Parameter		Remark
1	Battery type	Lifepo4 battery		lifepo4 3.2V 100Ah cell
2	Rated voltage	12.8 V		Work voltage
3	Standard capacity	100 Ah		
4	Rate Power	1280 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	10 ~ 100 A		Max charge current 100 A
9	Continuous discharge current	10 ~ 100 A		
10	Peak Continuous discharge current	150 A		10 seconds
11	Battery dimension	260*168*209 mm		
12	Total weight (Approx.)	10.8 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		100 A
		Pack Discharge overcurrent protection		150 A
		Short circuit protection		50 A 300 us
		High temperature protection		65 °C
Low temperature protection		-5 °C		
19	Warranty time	5 years		



12.8V 100Ah Battery Data Sheet				
NO.	Item	General Parameter		Remark
1	Battery type	Lifepo4 battery		lifepo4 3.2V 100Ah cell
2	Rated voltage	12.8 V		Work voltage
3	Standard capacity	100 Ah		
4	Rate Power	1280 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	10 ~ 100 A		Max charge current 100 A
9	Continuous discharge current	10 ~ 100 A		
10	Peak Continuous discharge current	150 A		10 seconds
11	Battery dimension	330*173*217 mm		
12	Total weight (Approx.)	10.8 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		100 A
		Pack Discharge overcurrent protection		150 A
		Short circuit protection		50 A 300us
		High temperature protection		65 °C
Low temperature protection		-5 °C		
19	Warranty time	5 years		



12V 100Ah Battery Information				
NO.	Item	General Parameter		Remark
1	Battery type	Lifepo4 battery		lifepo4 3.2V 100Ah cell
2	Standard capacity (1C)	100 Ah		
3	Rated voltage	12.8 V		Work voltage
4	Rate Power	1280 Wh		
5	Internal Impedance	≤3 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 ~ 10 A		
9	Continuous discharge current	5 ~ 100 A		
10	Max Continuous discharge current	100 A		10 seconds
11	Battery dimension	330*170*230 mm		
12	Total weight (Approx.)	10.5 kg		Gross weight.
13	(CC/CV) Charge method (CC/CV)	Standard	0 °C ~ 45 °C	Charge
		Discharge	-20 °C ~ 60 °C	
		Storage	-20 °C ~ 45 °C	
14	Capacity @ shipment	50 % - 60 %		
15	Ingress Protection	IP61		
16	Cycle life	≥6000 times		85 % DOD 0.1C
17	Composed Type	4S 1P		
18	Intelligent module	RS485		
19	BMS (Protective board)	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: 800 uA
		Pack Charge overcurrent protection		100 A
		Pack Discharge overcurrent protection		150 A
		Short circuit protection		1000 A 500 us
		High temperature protection		65 °C
		Low temperature protection		-20 °C
20	Warranty time	5 years		

