

Cell Parameters

No.	Items	Parameters
1	Cell type	Prismatic
2	Nominal voltage	3.2V
3	Rated capacity	100AH
4	Rated energy	320WH
5	Internal resistance	≤0.4mΩ@25°C1kHz AC
6	Allowed MAX charging current	1C
7	Recommended charging current	≤0.5C
8	Allowed MAX discharging current	1C @25±5°C, SOC > 20%
9	Maximum pulse discharging current	2C@25±5°C, 10s, SOC≥20%

Battery Module Parameters

No.	Items	Parameters
1	Product name	LiFePO4 Battery System
2	Rating	51.2V, 100Ah, 5.12Kwh
3	Depth of Discharge	90%
4	Useable Capacity	100 Ah
5	Input	Max 56.8V d.c., 60A
6	Output	43.2 ~ 56.8V d.c., Max 60A
7	Operating temperature range	-10°C ~ 55°C
8	Charging Temperature Range	0°C ~ 45°C
9	Discharging Temperature Range	-10°C ~ 55°C
10	Internal resistance	≤20mΩ @1kHz AC
11	Rated charge voltage	58.4V
12	Short Circuit Protection	500A
13	Short Circuit Protection Delay Time	200 - 800 us
14	Communication Port Type	CAN
15	Communication Protocol	RS485
16	Wi-Fi / LAN connection capability	No comply
17	Allowed MAX charging current	60A @ 25±5°C
18	Recommended charging current	≤50A
19	Allowed MAX discharging current	60A @ 25±5°C
20	Dimensions	W:400±2mm D:620±2mm H:145±2mm
21	Weight	About:56kg
22	IP Class	IP55



Members of:



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Unit 2/21 Millennium Circuit

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