

Product Scheme for 12.8V-100Ah

1、Specifications

Number	Items		Value
1	Single Cell		40149103-50Ah
2	Pack Style		4S2P
3	Nominal Voltage		12.8V
4	Type Capacity		100.0Ah
5	Min Capacity		98.0Ah
6	Nominal Power		1280.0Wh
7	Charging Voltage		14.6V
8	Working Voltage		10.0V~14.6V
9	Charging Mode		CC-CV
10	Charging Current	Standard Charge Current	20.0A (0~10℃)
		Max Charge Current	50.0A (≥15℃)
11	Standard Discharge Current		20.0A
12	Max Continuous Discharge Current		100.0A (150.0A≤30min)
13	Max Burst Discharge Current		300.0A (≤3S@25℃)
14	Internal Resistance		≤20mΩ
15	Dimension L*W*H/mm		330*173*126mm ±3mm
16	Approx. Weight		12.0Kg
17	Operating Temperature	Charge	0℃~50℃
		Discharge	-20℃~55℃
18	Storage Temperature	1 month	-20℃~45℃
		3 months	-20℃~35℃
		6 months	-20℃~25℃

2、Protection functions

The battery is packed with the protection circuit module (BMS), which can ensure the safety of this battery in charging and discharging.

The main functions of the BMS are as follows:

- 1) Over charge protection;
- 2) Over discharge protection;

- 3) Over discharge current protection;
- 4) Short protection;
- 5) Temperature protection;
- 6) Passive balance function;
- 7) Bluetooth Communication;
- 8) Low temperature charging and heating。

3、Drawing

1) DIM Drawing/External Drawing

L*W*H=330*173*126mm±3mm M8 Terminals

