


LCH4S3R1WR Data sheet

No.	Items	Specification	Notes
Standard test condition			
T1	Standard Charge	Unless otherwise specified, "Standard Charge" shall consist of charging at constant current of 0.5C. The cell shall then be charged at constant voltage of 12.6 V while tapering the charge current. Charging shall be terminated when the charging current has tapered to 50Ma. For test purposes, charging shall be performed at 25°C ± 2°C	
T2	Standard Discharge	"Standard Discharge" shall consist of discharging at a constant current of 0.2C to 8.25V. Discharging is to be performed at 25 °C ± 2 °C unless otherwise noted (such as capacity versus temperature).	
Battery Normal Specification			
1	Capacity	Nominal 2600mAh (C _{nom}) 28.86Wh Minimum 2000 (C _{min})(80% max)	The single cell C _{min} =2500mAh
	Nominal Voltage	10.8V or 11.1V	3 cells 3.6V or 3.7V Lithium battery
	Standard Charge	CC: 0.5C (1250mA) CV:12.6V End current (Cut off): 50mA	
	Max Charge Voltage	12.6V (Cut off)	
	Standard Discharge	CC: 0.2C (500mA) End Voltage (Cut off): 8.25V	
	Max Discharge current	-20~5°C 0.5C 1250mA 5~60°C 2.0C 4000mA	Depending on the PCB board
Electrical Specification			
2	Initial AC Impedance	≤ 210mΩ	
	Cycle Life	300 (Standard test condition T1,T2)	C _{min} > 80%
	Over charge Protection	Detection voltage: 4.35±0.025V Detection delay time: 0.5~1.5S Release voltage : 4.15±0.05V	25 °C , for single cell base on the PCB function.
	Over discharge Protection	Detection voltage; 2.4±0.08V Detection delay time: 50~150ms Release Voltage; 3.0±0.1V	
Over current Protection	Detection voltage: 150±25mv Detection current: 5±1A Detection delay time: 5ms~15ms Release condition: Charge up		

		Hold current: When current >4.2A		
	Short Protection	Detection condition: Exterior short circuit Detection delay time: 200~500us Release condition: charge up		
Charging Supervision and Protection Mechanism				
3	Over Voltage Protection	Yes (cut off on 12.6V)		
	Output Reverse Protection	Yes		
	CCCV	Yes		
Environment				
4	Operation Temperature	Charge: 0~45°C Discharge: -20~60°C		
	Operation Humidity	<80%	No splash	
	Storage Temperature	-20~60°C	1 Month	
		-20~45°C	3 Month	
-20~60°C		12 Month		
Storage Humidity	20%~60%			
Mechanical				
5	Dimensions	73mm(2.87") x 56mm(2.2") x 20mm(0.8")		
	Weight	5.2Oz (150g)		
	Output cable	6" 18 AWG wire		
	Package	PVC		
Picture				
				
Notice&warning				
<ol style="list-style-type: none"> 1. When using the application equipped with the battery, refer to the user's manual before usage. 2. Please read the specific charger manual before charging. It should be match with the battery. 3. Charge time should not be longer than specified in the manual. 				

4. Battery must be charged at operating temperature range 0 ~ 45°C.
5. Battery must be discharged at operating temperature range -20 ~ 60°C.
6. Please check the positive (+) and negative (-) direction before packing.
7. When a lead plate or wire is connected to the cell for packing, check out insulation not to short-circuit.
8. Battery must be stored in a dry area with low temperature for long-term storage.
9. Do not place the battery in direct sunlight or heat.
10. Do not use the battery in high static energy environment where the protection device can be damaged.
11. When rust or smell is detected on first use, please return the product to the seller immediately.
12. The battery must be away from children or pets
13. When cell life span shortens after long usage, please exchange to new cells.

Prohibitions

1. Do not use different charger. Do not use cigarette jacks (in cars) for charging.
2. Do not charge with constant current more than maximum charge current.
3. Do not disassemble or reconstruct the battery.
4. Do not throw or cause impact.
5. Do not pierce a hole in the battery with sharp things. (such as nail, knife, pencil, drill)
6. Do not use with other batteries or cells.
7. Do not solder on battery directly.
8. Do not expose the battery to high heat. (such as fire)
9. Do not put the battery into a microwave or high pressure container.
10. Do not use the battery reversed.
11. Do not connect positive(+) and negative(-) with conductive materials (such as metal, wire)
12. Do not allow the battery to be immersed in or wetted with water or sea-water.