



Small 4.2 Volt Rechargeable Battery Special Design Environmental Protection

Our Product Introduction

for more products please visit us on rechargeable-liionbattery.com

Basic Information

- Place of Origin: Changsha, China
- Brand Name: HYZZ
- Certification: ISO9001, CE, CB, UN38.3
- Packaging Details: foam, wooden box / foam, carton, tray
- Delivery Time: 22 days
- Payment Terms: L/C, T/T
- Supply Ability: 10,000 PCS per month



Product Specification

- Name: Special Lithium Battery
- Model: 14.4V 2200mAh
- L X W X H: 38mmX38mmX72mm
- Working Temperature: Under -40°C Working Environment
- Working Current: 1.1A
- Discharge Cutoff Voltage: 10V
- Highlight: large capacity lithium battery,
lithium ion phosphate battery

Product Description

Small 4.2 Volt Rechargeable Battery Special Design Environmental Protection

Model: 14.4V 2200mAh

Specification: 38mmX38mmX72mm

Features: effective discharge rate $\geq 75\%$ under working environment of -40°C , cylindrical 18650 low temperature lithium battery, charge cutoff voltage of 16.8V, discharge cutoff voltage of 10V, working current of 1.1A, maximum working current of 2.2A

Applications: Measuring instruments, meteorological instruments, polar surveys

Compared with Seal lead acid battery, lifepo4 battery has many advantages:

1. Green: Non-Toxic, comfort to RoHS.
2. Long cycle life: > 2000 cycles, while Sealed Lead Acid batteries only 750 cycles and NiMH batteries only 500 cycles)
3. Safety

The safest battery in the world till now, which does not burn with 30V charge voltage and it does not explore when you puncture the battery. UL approved.

4. Light weight and smaller dimension

The dimension is smallest and the weight is lightest when compare with other battery. 1/3 weight of SLA, 65% weight of NIMH.

5. Great capacity and more powerful, rechargeable battery

High discharge current, 1C continuous, 3C pulse for normal cells and 20 C for special design

We can install many single cells in series and in parallel and it can fully discharge

6. Good thermal stability: -40°C to 70°C

7. Back fast charge, good consistence, no memory effect, can equip battery charger.

Can be recharged anytime, no reduction of the capacity

8. Widely application, customize solutions, mass production, OEM/ODM/buyer label provided.

		Number	HY00045
		Version	A0
	HYLF/14.4/2.2-001	Date	2019-5-7
	Battery pack specification		
1 Basic characteristics		Product picture	
Product name	Low temperature lithium battery	Internal structure: Soft pack laser welding assembly method	
product code	HYLF/14.4/2.2-001		
L x W x H	38mmX38mmX72mm	Low temperature work protection board	
Rated voltage	14.8V Series structure		
Rated Capacity	2200mAh	Environmental work temperature: -40 - -55 Ambient operating temperature: -40 - -55	
Serialization	4S		
Internal resistance	$\leq 60\text{m}\Omega$	Working characteristic: 40 , 0.2C 10.0V , 70% Working characteristics: Under the condition of low temperature 40°C , the current is discharged to 10.0V at 0.2C , and the effective discharge rate is not lower than 70% of the normal temperature capacity.	
Discharge cutoff voltage	10.0V		
Charging protection voltage	16.8V		
Max.charging voltage	17.0V		
Max. charging current	1.1A		
Maximum discharge current	2.2A		
Peak current	$5\pm 3\text{A}$ 2S	Shell color	
		<input type="checkbox"/> Sub black <input type="checkbox"/> Bright gray <input type="checkbox"/> +Fruit green + bright gray two-color <input type="checkbox"/> White <input checked="" type="checkbox"/> Blue thermoplastic film	
		Charging and discharging interface	
		<input type="checkbox"/> Wall terminal <input type="checkbox"/> Anderson	

Rated discharge current	1.1A	<input type="checkbox"/> Navigation plug <input type="checkbox"/> Positive and negative lines <input type="checkbox"/> Pole <input checked="" type="checkbox"/> Hardware contact
Charging method	CC/CV	
weight	220g	
Operating temperature	Charging	0 45
	Discharge	-40 55
60-80%SOC , 2 Storage temperature 60-80% SOC storage, need to recharge every 2 months	-10 35	
C1 Cycle life Cycle life	500 Times	
price	RMB:¥ 00.00	
Delivery period	25 Working day	



Hunan Pinsheng Energy Technology Co., LTD.



15616151876



info@pinshengenergy.com



rechargeable-liionbattery.com

NO. 259, Lixiang East Road, Xiangfeng Technology Industry Park, Changsha City, Hunan, China.