

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-168
Name of the item to be scouted:	LiFePO4 Battery Cells
State item to be used in:	Washington

Describe the Item:

Please describe the item application/the end use of the item.	Currently, we use 38120S 3.2V 10Ah LiFePO4 Battery cells with 10C high discharge rate. The brand that they are often sold under is "Headway". I'm including a page from a retailer of these cells for your reference. We buy them directly from the manufacturer in China currently. These cells fail at a rate up to 100% per shipment that we receive from them. We're not looking for another supplier of these exact same cells, but a different cell manufacturer entirely.
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Supplier Information:

Type of Supplier Being Sought (select from the list below):	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
Reason for Scouting Submission (select from the list below)	
2nd Supplier	x
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	
Other (Please Specify)	

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Unknown; Possibly to involve but not limited to mixing, coating, calendaring, slitting, electrode making (including die cutting and tab welding)
Provide dimensions / size / tolerances / performance specifications of the item	Parameters of 38120S cells: Nominal capacity: 10Ah(10,000mAh) Initial internal impedance: < 4mOhm Cycle life: =2000 Times,1C/1C cycle life Diameter: 38 mm Length: 120 mm Weight: 330g±5g Voltage nominal: 3.2V Charge voltage cut-off: 3.65V Discharging cut-off: 2.0V Recommended Charge Current: 10A(1C) Max. Charge current: 20A(2C) Charge Time: 60min (can be customized) Recommended Discharge Current: 10A(1C) Max. Continuous Discharge Current: 30A(3C) Max. Pulse Discharge Current: 100A(10C) We are constrained in size and form-factor to no more than 38mm width in a cylindrical format, or 27mm width in a prismatic rectangle format. Length-wise, we are constrained to no more than 140mm.
List required materials needed to make the product, including materials of product components, if applicable	Applications may include but do not have to be limited to: Lithium (Li): Serves as the positive electrode. Iron Phosphate (FePO4): Forms the compound that makes up the battery's cathode material. Graphite: Used in the battery's anode. Binders: Materials like PVDF (Polyvinylidene Fluoride). Electrolytes: Usually a lithium salt in a solvent. Separators: Thin sheets that keep the anode and cathode apart. Current Collectors: Typically made of copper or aluminum.

Are there applicable certification requirements?	
Yes	
No	x
Please explain:	

Are there any applicable regulations that apply to the production of this item?	
Yes	
No	x
Please explain:	

Are there any other standards / requirements?	
Yes	

No	x
Please explain:	
NAICS CODES:	
NAICS 1	335911 Storage battery manufacturing
NAICS 2	
Additional Comments:	
Additional technical comments:	We're not looking for another supplier of these exact same cells, but a different cell manufacturer entirely.
Volume and Pricing:	
Estimated Potential Business Volume (i.e. #units per day, month, year):	400-600 cells-per-year.
Estimated Target Price/Unit Cost Information:	Not public.
Delivery Requirements:	
When is it needed by? (Immediate, 30 days, 6 months, etc.)	ASAP
Describe packaging requirements (i.e. individually/group packaging, etc.)	Standard
Where will this item be shipped?	Washington State
Additional Comments:	
Is there other information you would like to include?	



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- CALB Battery
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- LiFePO4 Battery
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- Forklift Lithium Battery
- Fortune LiFePO4 Battery
- Battery Chargers
- Battery Management System
- Battery Balancer
- GBS Battery
- EVE Battery
- Headway Battery
- Deye Inverter

Home > Hot Product>Headway LiFePO4 Cylindrical 38120S 3.2V 10Ah Battery Cell

Headway LiFePO4 Cylindrical 38120S 3.2V 10Ah Battery Cell

Headway 38120S 3.2V 10Ah LiFePO4 Battery cells with 10C high discharge rate and more than 2000 times cycle life, wildly used in EV, electric forklift, energy storage, solar system, diy battery pack etc.



Lithium Titanate Battery

Lithium Battery Pack

Lithium NMC Battery

A123 Battery

EV-Cable

Contact Us



info@evlithium.com



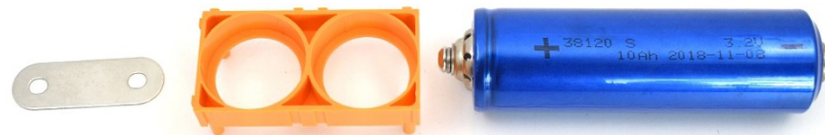
evlithium8@gmail.com



Skype: zhangleytu



Contact Form



Parameters of 38120S :

Nominal capacity: 10Ah(10,000mAh)

Initial internal impedance: < 4mOhm

Cycle life: ≥2000 Times,1C/1C cycle life

Diameter: 38 mm

Length: 120 mm

Weight: 330g±5g

Voltage nominal: 3.2V

Charge voltage cut-off: 3.65V

Discharging cut-off: 2.0V

Recommended Charge Current: 10A(1C)

Max. Charge current: 20A(2C)

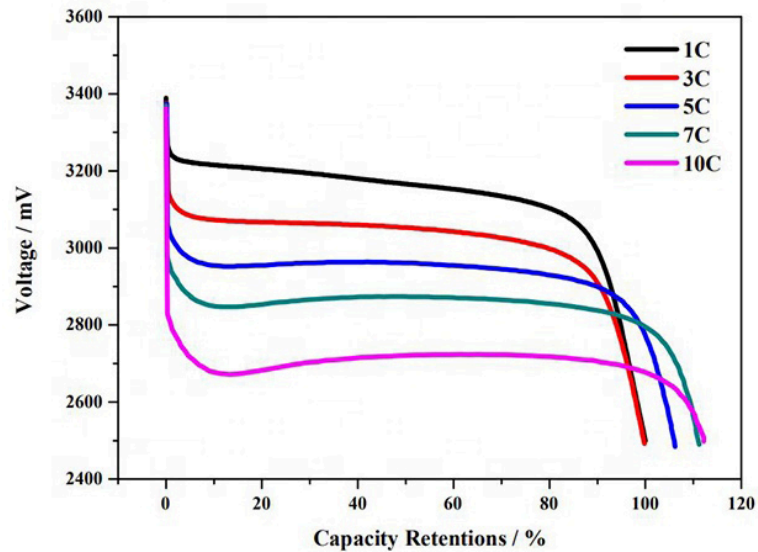
Charge Time: 60min (can be customized)

Recommended Discharge Current: 10A(1C)

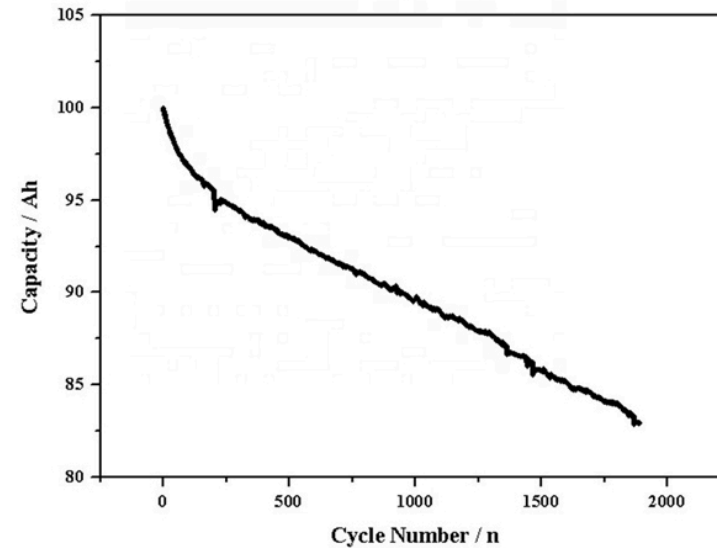
Max. Continuous Discharge Current: 30A(3C)

Max. Pulse Discharge Current: 100A(10C)

38120S-10Ah Discharge & Cycle Life Curve



38120S-10Ah Discharge & Cycle Life Curve



Related Products:

Model	38120S	38120L	38140S	40152S
Nominal capacity	10Ah	10Ah	12Ah	15Ah/17Ah
Operating voltage range	2.0-3.65V	2.0-3.65V	2.0-3.65V	2.0-3.65V
Nominal voltage	3.2V	3.2V	3.2V	3.2V
Internal resistance	≤4mΩ	≤4mΩ	≤4mΩ	≤4mΩ
Battery size	D38*H135mm	D38*H120mm	D38*H155mm	D40*H165mm
Standard charge current	1C	1C	1C	1C
Max. continuous charge current	2C	2C	2C	2C
Standard discharge current	1C	1C	1C	1C
Max. continuous discharge current	3C	3C	3C	3C
Max. pulse discharge current	10C	10C	10C	10C
Cycle life(With standard charge and discharge)	2000	2000	2000	2000
-10 degrees discharge(VS. normal temperature)	0.6	0.6	0.6	0.6
Allowable operating temperature range	-10-45°C	-10-45°C	-10-45°C	-10-45°C



Previous:

32700 lifepo4 3.2V 6000mah rechargeable battery cell

Next:

Fortune LiFePO4 Battery 3.2V 100Ah Prismatic Cell

