

ITEM OPPORTUNITY SYNOPSIS

Scouting Number: 2023-146
Name of the item to be scouted: Solid-State Lithium-Ion Batteries for Drones
State item to be used in: Montana

Describe the Item:

Please describe the item application/the end use of the item.

A Montana drone manufacturer would like to purchase batteries for its drones domestically. Specifications are: -6S 22000mAh Solid State Lithium-Ion Batteries (Under 2000g, specific energy >240Wh/KG). A smart battery that reads and transmits energy levels would be preferred, but not necessary.

Supplier Information:

Type of Supplier Being Sought (select from the list below):

Manufacturer
Contract Manufacturer x
Distributor
Other (Please Specify)

Reason for Scouting Submission (select from the list below)

2nd Supplier
Price
Re-Shore x
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)

Domestic manufacturing of Lithium-Ion Battery.

Provide dimensions / size / tolerances / performance specifications of the item

Voltage: 22.2V Capacity: 22000mAh Continuous Discharge: 5C Max.Discharge: 10C Charge: 1C Energy: 448.4Wh Energy density: 251.7Wh/kg Size: 19x6.5x7.5cm Weight: 1963g

List required materials needed to make the product, including materials of product components, if applicable

Typical battery components needed to fit the above specifications.

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:

Additional Comments:

Additional technical comments:

Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year):

Approximately 100 per quarter.

Estimated Target Price / Unit Cost Information:

This data is unavailable. The client currently imports these items and understands that domestically-made parts will cost more.

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc)

Between one and six months, but flexible. The client hopes to develop an ongoing domestic supply chain.

Describe packaging requirements (i.e. individually / group packaging, etc)

NA

Where will this item be shipped?

Near Bozeman, Montana

Additional Comments:

Is there other information you would like to include?

Smart Batteries Preferred - able to read and transmit power levels.

