51.2V 314Ah Rack-Mounted Battery

1. Cell Specifications: 3.7V vs. 3.8V

3.2V 314Ah:

Item	Specification
Nominal Voltage	3.2V
Fully Charged Voltage	3.65V
Recommended Operating Voltage Range	2.5–3.65V
Capacity	314Ah
Continuous Discharge Rate	1C

1.2 BMS Specifications

Item	Specification
Balancing Method	Active balancing
Continuous Current	200A

1.3 Battery Enclosure Specifications

Item	Specification
Dimensions (W × D × H)	770 × 605 × 465 mm
Material	Aluminum alloy
Color	Black or other customizable colors
IP Rating	IP65

2. Quotation

Specification	Sample / Terms	Unit Price (USD)	Quantity	Sea Freight DDP (USD)	Subtotal (USD)	Total (USD)
51.2V 314Ah	EXW	1,282	24	563.08	1,845.08	44,281.92

2.1 Sample Order Pricing Notes

1. Under our current company policy, discounts are not available for sample orders.

2. For bulk orders, discounted pricing can be quoted based on the purchase quantity.

3. Proposed Configuration

Item	Option 1
Cell	3.2V 314Ah
Series / Parallel Configuration	16S1P
Nominal Voltage	51.2V
Capacity	314Ah
Energy	16076.8kWh
Number of Cells	16 cells
Battery Packl Weight	Approx. 122 kg
Continuous Current	Approx. 150–200A
Fully Charged Voltage	58.4V

4. Shipping

The above quotation is based on DDP terms by sea. The production lead time for the customized product is 35 days.

Door-to-door shipping to the delivery address takes approximately 35 days.

Air freight (7 days) is available but is not recommended. If there is sufficient time for sample testing, sea freight currently offers the best value.

5. Payment Terms

Sample orders require 100% advance payment before production and shipment. For subsequent bulk orders, the payment percentages can be discussed and negotiated.

6. Our Company’s Advantages

1. We use only brand-new Grade A battery cells, unlike many ordinary products available on the market.

2. Our lightweight design makes the battery pack approximately 1.8 kg lighter than the originally anticipated design.

3. We provide a 5-year warranty.

4. If a battery pack fails due to a product quality defect, we will provide a new replacement battery pack free of charge and ship it to your warehouse or project site.