

CIF price of 100kWh energy storage battery cabinet exported from France

Article Overview

The CIF price for a 100 kWh commercial lithium-ion battery cabinet exported from France is approximately \$20,000-\$35,000, depending on shipping distance, insurance, and system configuration.

Base System Cost

For a 100 kWh commercial lithium-ion energy storage system, the installed cost in Europe typically ranges from \$180 to \$300 per kWh for large containerized systems . This translates to a base system cost of roughly \$18,000-\$30,000 for a 100 kWh cabinet, including the battery pack, battery management system (BMS), inverter or power conversion system (PCS), and cabinet enclosure .

Components Breakdown

- o Battery Pack (LFP cells): 30-40% of total system cost
- o Power Conversion System (PCS): 15-20%
- o Cabinet, racking, and balance of system: 15-20%
- o Climate control and safety systems: EUR30-40 per kW (~\$3,000-\$4,000 for 100 kWh)
- o Installation and commissioning: 15-25% of total cost, though for CIF export, this may be excluded if the buyer handles local installation

CIF Shipping and Insurance

CIF (Cost, Insurance, and Freight) means the seller covers shipping and insurance to the destination port, with the buyer responsible after the cargo is onboard . For a 100 kWh cabinet shipped from France by sea, typical shipping and insurance costs can add 5-15% to the base system price, depending on the destination port, distance, and insurance coverage. For example, shipping a 1-2 ton containerized battery system to a major port in Asia or Africa could cost \$1,000-\$5,000, including insurance .

Estimated CIF Price

Combining the base system cost and shipping/insurance, the CIF price range for a 100 kWh energy storage battery cabinet exported from France is approximately:

- o Low end: \$18,000 (system) + \$2,000 (shipping/insurance) ? \$20,000
- o High end: \$30,000 (system) + \$5,000 (shipping/insurance) ? \$35,000 This estimate assumes a standard LFP-based commercial cabinet, without additional customization or extended warranties. Prices may vary based on battery chemistry, certification requirements, and port-specific logistics .

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Key Considerations

- o Battery Chemistry: LFP batteries are safer and more cost-effective than NMC or NCA chemistries, which could increase CIF price.
- o System Size and Duration: Larger systems benefit from economies of scale; longer-duration systems may cost more.
- o Destination Port: CIF costs depend heavily on distance and local port fees.
- o Insurance Coverage: Higher coverage or expedited shipping increases CIF price. For an exact CIF quotation, it is recommended to contact French battery suppliers with the destination port and system specifications, as they can provide a tailored quote including shipping, insurance, and any export documentation.

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A 100kWh commercial battery storage cabinet is a lithium battery system that stores 100kWh of electrical energy for commercial or



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