CIF Price of Modular Energy Storage Units Exported from South Korea Intelligent Type



Overview

OPENAPI Detail | PUBLIC DATA PORTALKorea compiles imports based on CIF (cost-on-arrival) values, while exports are calculated based on FOB (free on board).

Key Takeaways

The CIF price of intelligent modular energy storage units exported from South Korea typically ranges around $0. 07–$0. 10 per Wh, depending on capacity, battery chemistry, and shipping terms.

Overview of Pricing

South Korea is a leading exporter of modular energy storage systems (ESS), particularly lithium-based units designed for industrial, commercial, and smart grid applications. The units often use LiFePO4 chemistry for enhanced safety and long-duration storage, and include intelligent monitoring and load-balancing features. Export prices are generally quoted on a FOB (Free on Board) basis, with CIF (Cost, Insurance, and Freight) adding shipping and insurance costs to the port of destination.

Industry reports indicate that exported energy storage systems are priced around $0. 07–$0. 10 per watt-hour (Wh) for high-quality modular units.

For example, a 100 kWh modular unit could have a FOB value of approximately $7,000–$10,000, with CIF prices increasing by 5–15% depending on shipping distance, insurance, and handling fees.

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Factors Affecting CIF Pricing

Battery Capacity and Modularity: Larger or more modular systems command higher prices due to scalability and integration flexibility. Intelligent Features: Units with advanced real-time monitoring, virtual power plant (VPP) integration, and smart load balancing are priced higher than basic storage modules. Shipping and Insurance: CIF includes freight and insurance costs, which vary by destination port, shipping method (sea vs. air), and insurance coverage.

Typically, CIF adds 5–15% to the FOB price. Regulatory Compliance: Units meeting international safety standards (UL, IEC, or Korean safety regulations) may have slightly higher export prices due to certification costs.

Practical Estimation

For a typical intelligent modular ESS unit exported from South Korea: FOB Price: $0. 07–$0. 10 per WhShipping & Insurance (CIF adjustment): +5–15%Estimated CIF Price: $0.

073–$0. 115 per Wh For a 100 kWh system, this translates to approximately $7,300–$11,500 CIF at the destination port.

Conclusion

While exact CIF prices depend on unit specifications, destination, and shipping arrangements, the current market range for intelligent modular energy storage units from South Korea is roughly $0. 073–$0. 115 per Wh.

Buyers should request formal quotations from exporters to account for specific capacity, features, and shipping terms.

Article Content

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Korea compiles imports based on CIF (cost-on-arrival) values, while exports are calculated based on FOB (free on board) values. The HS Code is an international commodity

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