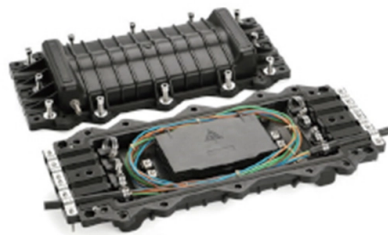


CIF Price of Low-Loss High-Frequency Switching Power Supplies Exported from Egypt



Article Overview

CIF prices for low-loss high-frequency switching power supplies from Egypt vary widely depending on specifications, efficiency, and shipping terms, typically ranging from several hundred to over a thousand USD per unit for industrial-grade models.

Factors Affecting CIF Pricing

- Power Supply Specifications
- Switching Frequency: Higher frequencies (hundreds of kHz to MHz) reduce component size but may increase semiconductor costs due to advanced MOSFETs or IGBTs .
- Efficiency and Losses: Low-loss designs using SiC or advanced MOSFETs improve efficiency but raise component costs .
- Voltage and Current Ratings: Higher voltage or current ratings require more robust components, affecting base price.
- Component Technology
- SiC Devices: Silicon carbide devices offer lower turn-off losses and higher efficiency, which can increase unit cost .
- IGBT vs MOSFET: Ultra-thin IGBTs or superjunction MOSFETs provide high-frequency performance but differ in cost and thermal management requirements .
- Manufacturing and Export Costs...

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UN Comtrade

UN Comtrade regularly updates its data as official information becomes available from statistical authorities. However, there is no

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High-frequency Switching Power Supplies

High-frequency Switching Power Supplies: Theory and Design George Chryssis McGraw-Hill, 1989 - Technology & Engineering -

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