Large-scale UPS power supply system in Thailand

Overview

Top 10 Companies in Thailand UPS Systems Market | 2026With their cutting-edge technology and expertise, they have successfully captured a significant share.

Key Takeaways

Thailand offers a wide range of large-scale UPS solutions, with capacities up to 10 MW, modular designs, and advanced battery integration for data centers, industrial, and critical infrastructure applications.Key Suppliers and Solutions

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Delta Electronics (Thailand) provides high-capacity UPS systems such as the Ultron DPS series (300–1200 kVA), capable of delivering up to 10 MW for large data centers and colocation facilities. Their Modulon DPH series offers modular, three-phase online UPS with high power density (20 kW per 2U module), hot-swappable components, and N+X redundancy for medium to large data centers, ensuring high availability and energy efficiency . PEC Technology (Thailand) specializes in UPS battery systems and energy storage solutions, including VRLA, Li-ion, and BESS (Battery Energy Storage Systems). They provide design, installation, and maintenance services for telecoms, utilities, airports, and data centers, adhering to IEEE 450 & 1188 standards for reliability and safety . Shinozawa Thailand offers industrial-grade UPS systems ranging from 1–1000 kVA, featuring true double-conversion online technology, DSP control, isolated transformers, and N+1 or N+X parallel redundancy. Their systems include rectifiers, inverters, static and maintenance bypasses, and AC/DC distribution for critical loads, ensuring stable operation even under wide voltage and frequency variations . Other major international suppliers active in Thailand include Vertiv, Schneider Electric, ABB, Eaton, and Socomec, providing single-phase and three-phase UPS solutions for industrial, commercial, and residential applications, often with integrated monitoring, software management, and energy-efficient designs .

System Features and Considerations

• Modular Design: Allows scalability and “pay-as-you-go” deployment without oversizing the UPS.

• Redundancy: N+1 or N+X configurations ensure continuous operation during maintenance or component failure.

• Battery Integration: VRLA, Li-ion, or BESS options provide short-term backup and energy storage for critical loads.

• Power Quality Protection: UPS systems protect against voltage drops, surges, and interruptions, maintaining consistent energy flow for sensitive equipment .

• High Efficiency: Modern UPS systems achieve efficiencies up to 94%, reducing operational costs and heat generation.

Applications

Large-scale UPS systems in Thailand are widely used in:

• Data centers and colocation facilities requiring high availability and scalable power.

• Telecommunications and utilities for uninterrupted service.

• Airports and industrial plants where critical processes cannot tolerate power interruptions.

• Commercial buildings with sensitive IT infrastructure.

Conclusion

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Thailand's UPS market supports high-capacity, modular, and energy-efficient solutions suitable for large-scale industrial and data center applications. Companies like Delta, PEC Technology, and Shinozawa provide advanced UPS systems with flexible configurations, robust battery integration, and high reliability, while global players such as Schneider Electric, ABB, and Eaton complement the market with comprehensive power management solutions. These systems ensure continuous, high-quality power for mission-critical operations across multiple sectors.

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Thailand UPS System Market is expected to grow in the years ahead on account of upcoming data centers coupled with government

Uninterruptible Power Supply Market Size, Growth Report 2035

The uninterruptible power supply (UPS) market was estimated at USD 13 billion in 2025 and is expected to grow at a CAGR of 7.1%

Top 6 Companies in Thailand UPS Systems Market | 2026

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With expanding demand for efficient and reliable power backup systems, dominating companies have invested heavily in R&D to

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An uninterruptible power supply (UPS), offers guaranteed power protection for connected electronics. When power is interrupted, or

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Companies

Supplier of: Power supplies, uninterruptible (UPS) Importers-exporters, electrical and electronic products Phone number +66 2 9519229

Uninterruptible Power Supply UPS System Businesses in Thailand

Product types: air cooling system components, air heating system components, battery components, computer and electronic

High Voltage Uninterruptible Power Supply (UPS) Systems

High-voltage uninterruptible power supply (UPS) systems provide the robust power support needed to keep critical operations

Power Supply | Products & Solutions | Fuji Electric Thailand

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We provide repair services for all UPS models and brands, from small units to large industrial systems. This includes main board

AC/DC Uninterrupted Power Solution | Shinozawa Thailand

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It has been designed for mainstream double conversion system with N+1 or N+X parallel redundancy feature, and manufactured with

Who supplies ups, power supply in Thailand? Manufacturers and

Our customers includes leading Power & Distribution Transformer manufacturers, Motor manufacturers, Switchgear manufacturers,

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