

Power Conversion System Industry Research Report in ASEAN 2026-2030

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Abstracts

A power conversion system (PCS), also known as an energy storage inverter, is a core power electronic device in an energy storage system.

The upstream of the PCS industry chain mainly includes power semiconductors, capacitors, inductors, control chips and electronic components. The midstream sector consists of PCS equipment manufacturing and system integration. Downstream applications primarily include energy storage systems, grid-scale energy storage, commercial and industrial energy storage, residential energy storage, and new energy power stations.

The ASEAN market for Power Conversion Systems (PCS) for energy storage is currently undergoing a phase of rapid development. According to an analysis by CRI, driven by the growth in new energy installations and the expansion of energy storage systems, PCS has emerged as one of the fastest-growing core components within the ASEAN energy storage industry chain.

In addition, the increase in data center, port, mining area and off-grid microgrid projects has also driven up the demand for high-reliability PCS.

According to CRI analysis, the PCS industry in ASEAN is currently in a phase of 'rapid demand growth and insufficient local supply'.

According to an analysis by CRI, the ASEAN PCS market is expected to enter a period of rapid growth over the next 3 to 5 years.

CRI recommends that global manufacturers of energy storage converters, new energy

storage enterprises, and investment institutions conduct timely market research on the ASEAN region to prepare for their strategic entry into the ASEAN energy storage converter market.

CRI's offices in Shanghai, China, and Hanoi, Vietnam, will assist foreign-funded enterprises in entering the ASEAN energy storage converter market.

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