

Asia-Pacific Power Supply Equipment Market for Water Electrolysis: Analysis and Forecast, 2023-2032

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Abstracts

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Introduction to Asia-Pacific Power Supply Equipment Market for Water Electrolysis

The Asia-Pacific power supply equipment market for water electrolysis (excluding China) was valued at \$50.5 million in 2023, and it is expected to grow at a CAGR of 35.67% and reach \$785.6 million by 2032. The growth of the water electrolysis power supply equipment market is anticipated to be propelled by favorable government policies, stringent net-zero objectives, and increasing requirements for hydrogen fuel cell vehicles, environmentally friendly ammonia, sustainable methanol, and similar applications.

Market Introduction

The Asia-Pacific (APAC) region is poised to become a significant player in the power supply equipment market for water electrolysis. This growth is driven by a combination of factors, including increasing government support through policies and incentives aimed at promoting clean energy and sustainability. APAC countries are increasingly recognizing the importance of hydrogen in their energy transition strategies, which is boosting investments in water electrolysis technology and its associated power supply equipment.

Moreover, the region's technological advancements, particularly in proton exchange membrane (PEM) electrolysis, are contributing to the demand for specialized power supply equipment tailored to these systems. APAC's vast renewable energy potential and the integration of renewable sources into the power supply chain also play a crucial

role in driving the market's growth. As the focus on green hydrogen intensifies, the APAC power supply equipment market for water electrolysis is expected to witness significant expansion. Companies in the region are actively investing in research and development to establish their presence in this growing segment. This dynamic landscape positions APAC as a key contributor to the future of sustainable hydrogen production.

Market Segmentation:

Segmentation 1: by Application

Alkaline Electrolyzer

Proton Exchange Membrane (PEM) Electrolyzer

Solid Oxide Electrolytic Cell (SOEC) Electrolyzer

Anion Exchange Membrane (AEM) Electrolyzer

Segmentation 2: by Equipment Type

Rectifier

Thyristor Rectifier

IGBT Rectifier

Others

Transformer

Others

Segmentation 3: by Country

Japan

South Korea

India

Australia

Rest-of-Asia-Pacific and Japan

How can this report add value to an organization?

Product/Innovation Strategy: The product segment helps the reader understand the power supply equipment used in the water electrolysis process, including rectifiers, transformers, and others. Moreover, the study provides the reader with a detailed understanding of the power supply equipment market for water electrolysis by different applications (alkaline electrolyzer, proton exchange membrane (PEM) electrolyzer, solid oxide electrolytic cell (SOEC) electrolyzer, and anion exchange membrane (AEM) electrolyzer).

Growth/Marketing Strategy: The power supply equipment market for water electrolysis has been growing at a rapid pace. The market offers enormous opportunities for existing and emerging market players. Some of the strategies covered in this segment are mergers and acquisitions, product launches, partnerships and collaborations, business expansions, and investments. The strategies preferred by companies to maintain and strengthen their market position primarily include partnerships, agreements, and collaborations.

Competitive Strategy: The key players in the Asia-Pacific power supply equipment market for water electrolysis analyzed and profiled in the study involve power supply equipment manufacturers and the overall ecosystem. Moreover, a detailed competitive benchmarking of the players operating in the APAC power supply equipment market for water electrolysis has been done to help the reader understand how players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.

Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on inputs gathered from

primary experts and analyzing company coverage, product portfolio, and market penetration.

Some prominent names established in this market are:

Ador Powertron Ltd

TMEIC

Statcon Energiaa Pvt. Ltd.

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