

Asia-Pacific Electric Farm Tractor Market: Analysis and Forecast, 2023-2028

<https://marketpublishers.com/r/A24FD56BB186EN.html>

Date: January 2024

Pages: 0

Price: US\$ 2,950.00 (Single User License)

ID: A24FD56BB186EN

Abstracts

This report will be delivered in 1-5 working days.

Introduction to Asia-Pacific Electric Farm Tractor Market

The Asia-Pacific electric farm tractor market (excluding China) was valued at \$19.49 million in 2023, which is expected to grow with a CAGR of 14.59% and reach \$38.52 million by 2028. The growth of the electric farm tractor market can be attributed to multiple factors. These include the increasing need for sustainable farming practices in the agriculture sector, the electrification and automation of agricultural machinery, and the utilization of energy storage systems. In recent times, electric farm tractors have witnessed a significant rise in popularity within the farming community, as well as among manufacturers and researchers in the agricultural industry. This heightened interest has led to record-breaking sales of electric vehicles (EVs) in the sector.

Market Introduction

The APAC Electric Farm Tractor Market is experiencing notable growth due to several key factors. Firstly, there is a growing emphasis on sustainable and environmentally friendly agricultural practices in the region. This has led to increased demand for electric farm tractors as they offer a cleaner and more sustainable alternative to traditional diesel-powered tractors. Additionally, the automation of agricultural machinery and the integration of energy storage systems have further fueled the adoption of electric farm tractors.

Furthermore, government initiatives and incentives promoting the use of electric vehicles in agriculture have played a significant role in driving market growth. The APAC

region, with its large agricultural sector, is witnessing a surge in interest and investment in electric farm tractors, leading to substantial market expansion.

Market Segmentation:

Segmentation 1: by Application

Light-Duty Tractor

Medium-Duty Tractor

Heavy-Duty Tractor

Segmentation 2: by Mode of Operation

Manual

Autonomous

Segmentation 3: by Drivetrain Technology

Battery Electric

Hybrid Electric

Segmentation 4: by Country

Japan

India

South Korea

Australia & New Zealand

Rest-of-Asia-Pacific

How Can This Report Add Value to an Organization?

Product/Innovation Strategy: The product segment helps the reader understand the different types of electric farm tractors available for deployment and their potential. Moreover, the study provides the reader with a detailed understanding of the electric farm tractor market by application (light-duty tractor, medium-duty tractor, and heavy-duty tractor), mode of operation (manual and autonomous), and by drivetrain technology (battery electric and hybrid electric).

Growth/Marketing Strategy: The APAC electric farm tractor market has seen major development by key players operating in the market, such as business expansion, product launch, partnership, collaboration, and joint venture. The favored strategy for the companies has been product development to strengthen their position in the electric farm tractor market.

Competitive Strategy: Key players in the APAC electric farm tractor market analyzed and profiled in the study involve major electric farm tractor manufacturers. Moreover, a detailed competitive benchmarking of the players operating in the electric farm tractor market 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 regional presence.

Some of the prominent names in this market are:

Cellestial eMobility Private Limited

Kubota Corporation

Sonalika Group

Erisha Agritech

AutoNxt Automation

Contents

Executive Summary

1 MARKETS

1.1 Industry Outlook

1.1.1 Market Definition

1.1.2 Market Trends

1.1.2.1 Advanced Battery Technology and Future Connectivity Trends

1.1.2.1.1 Advancements in Battery Technology

1.1.2.1.2 Future Connectivity Trends (5G and LoRaWAN)

1.1.2.2 Climate Smart Agriculture Practices

1.1.3 Ecosystem/Ongoing Programs

1.1.3.1 Consortiums and Associations

1.1.3.2 Regulatory Bodies

1.1.3.3 Government Initiatives/Programs

1.2 Business Dynamics

1.2.1 Business Drivers

1.2.1.1 Rise in Awareness toward Sustainable Practices in Agriculture

1.2.1.2 Increased Farm Mechanization and Technology Adoption

1.2.1.3 Favoring Policies toward Electric Vehicle Adoption

1.2.1.4 Increased Demand for Electrification in Agriculture Industry

1.2.2 Business Challenges

1.2.2.1 Inadequate Charging, Network Infrastructure, and Battery Recycling

Challenges

1.2.2.2 High Initial Cost of Equipment

1.2.2.3 Development of Alternative Engine Models

1.2.2.4 Limited Market Penetration Owing to Dominance of Conventional Tractors

1.2.3 Business Strategies

1.2.3.1 Product Development and Innovation

1.2.3.2 Market Development

1.2.4 Corporate Strategies

1.2.4.1 Mergers and Acquisitions

1.2.4.2 Partnerships, Joint Ventures, Collaborations, and Alliances

1.2.5 Business Opportunities

1.2.5.1 Integration of New/Advanced Technologies with Electric Farm Tractor

1.2.5.2 Opportunities in Developing Nations

1.3 Case Studies

- 1.3.1 Monarch Tractor Wenté Vineyards Energy Case Study
- 1.3.2 Solectrac Inc Mushroom Farm Case Study
- 1.4 Start-Up Landscape
 - 1.4.1 Key Start-Ups in the Ecosystem
- 1.5 Impact of Russia-Ukraine Crisis on Electric Farm Tractor Market
- 1.6 Cost Analysis – Comparison of Conventional and Electric Tractor
- 1.7 Architectural/Technical Comparison of Key Products in the Market
- 1.8 Role of Agrivoltaics in Electric Farm Tractor Market
- 1.9 Key Battery Technologies
 - 1.9.1 Lithium-Ion Battery
 - 1.9.2 Nickel, Mercury-Based Batteries, and Others

2 REGION

2.1 China

2.1.1 Market

2.1.1.1 Buyer Attributes

2.1.1.1.1 Charging Infrastructure, Government Subsidies, and Farm Information

2.1.1.2 Key Companies in China

2.1.1.3 Business Drivers

2.1.1.4 Business Challenges

2.1.2 Application

2.1.2.1 China Electric Farm Tractor Market (by Application)

2.1.3 Product

2.1.3.1 China Electric Farm Tractor Market (by Mode of Operation)

2.1.3.2 China Electric Farm Tractor Market (by Drivetrain Technology)

2.2 Asia-Pacific

2.2.1 Market

2.2.1.1 Key Companies in Asia-Pacific

2.2.1.2 Business Drivers

2.2.1.3 Business Challenges

2.2.2 Application

2.2.2.1 Asia-Pacific Electric Farm Tractor Market (by Application)

2.2.3 Product

2.2.3.1 Asia-Pacific Electric Farm Tractor Market (by Mode of Operation)

2.2.3.2 Asia-Pacific Electric Farm Tractor Market (by Drivetrain Technology)

2.2.4 Asia-Pacific Electric Farm Tractor Market (by Country)

2.2.4.1 Japan

2.2.4.1.1 Market

2.2.4.1.1.1 Buyer Attributes

2.2.4.1.1.1.1 Charging Infrastructure, Government Subsidies, and Farm Information

2.2.4.1.1.2 Business Challenges

2.2.4.1.1.3 Business Drivers

2.2.4.1.2 Application

2.2.4.1.2.1 Japan Electric Farm Tractor Market (by Application)

2.2.4.1.3 Product

2.2.4.2 India

2.2.4.2.1 Market

2.2.4.2.1.1 Buyer Attributes

2.2.4.2.1.1.1 Charging Infrastructure, Government Subsidies, and Farm Information

2.2.4.2.1.2 Business Challenges

2.2.4.2.1.3 Business Drivers

2.2.4.2.2 Application

2.2.4.2.2.1 India Electric Farm Tractor Market (by Application)

2.2.4.2.3 Product

2.2.4.3 Australia and New Zealand

2.2.4.3.1 Market

2.2.4.3.1.1 Buyer Attributes

2.2.4.3.1.1.1 Charging Infrastructure, Government Subsidies, and Farm Information

2.2.4.3.1.2 Business Challenges

2.2.4.3.1.3 Business Drivers

2.2.4.3.2 Application

2.2.4.3.2.1 Australia and New Zealand Electric Farm Tractor Market (by Application)

2.2.4.3.3 Product

2.2.4.4 South Korea

2.2.4.4.1 Market

2.2.4.4.1.1 Buyer Attributes

2.2.4.4.1.1.1 Charging Infrastructure, Government Subsidies, and Farm Information

2.2.4.4.1.2 Business Challenges

2.2.4.4.1.3 Business Drivers

2.2.4.4.2 Application

2.2.4.4.2.1 South Korea Electric Farm Tractor Market (by Application)

2.2.4.4.3 Product

2.2.4.5 Rest-of-Asia-Pacific

2.2.4.5.1 Market

2.2.4.5.1.1 Buyer Attributes

2.2.4.5.1.1.1 Charging Infrastructure, Government Subsidies, and Farm Information

2.2.4.5.1.2 Business Challenges

2.2.4.5.1.3 Business Drivers

2.2.4.5.2 Application

2.2.4.5.2.1 Rest-of-Asia-Pacific Electric Farm Tractor Market (by Application)

2.2.4.5.3 Product

3 MARKETS - COMPETITIVE BENCHMARKING AND COMPANY PROFILES

3.1 Competitive Benchmarking

3.1.1 Electric Farm Tractor Companies

3.2 Company Profiles

3.2.1 Cellesstial eMobility Private Limited

3.2.1.1 Company Overview

3.2.1.2 Role of Cellesstial eMobility Private Limited in the Electric Farm Tractor Market

3.2.1.3 Product Portfolio

3.2.1.4 Product Pricing

3.2.1.5 Customer Profiles

3.2.1.5.1 Target Customers

3.2.1.6 Corporate Strategies

3.2.1.6.1 Partnerships, Joint Ventures, Collaborations, Agreements, and Alliances

3.2.1.7 Analyst View

3.2.2 Kubota Corporation

3.2.2.1 Company Overview

3.2.2.2 Role of Kubota Corporation in the Electric Farm Tractor Market

3.2.2.3 Product Portfolio

3.2.2.4 Customer Profiles

3.2.2.4.1 Target Customers

3.2.2.5 Business Strategies

3.2.2.5.1 Product Developments

3.2.2.5.2 Market Development

3.2.2.6 Corporate Strategies

3.2.2.6.1 Mergers and Acquisitions

3.2.2.7 Analyst View

3.2.3 Sonalika Group

- 3.2.3.1 Company Overview
- 3.2.3.2 Role of Sonalika Group in the Electric Farm Tractor Market
- 3.2.3.3 Product Portfolio
- 3.2.3.4 Product Pricing
- 3.2.3.5 Customer Profiles
 - 3.2.3.5.1 Target Customers
 - 3.2.3.5.2 Key Clients
- 3.2.3.6 Business Strategies
 - 3.2.3.6.1 Product Developments
- 3.2.3.7 Analyst View
- 3.2.4 Erisha Agritech
 - 3.2.4.1 Company Overview
 - 3.2.4.2 Role of Erisha Agritech in the Electric Farm Tractor Market
 - 3.2.4.3 Product Portfolio
 - 3.2.4.4 Product Pricing
 - 3.2.4.5 Customer Profiles
 - 3.2.4.5.1 Target Customers
 - 3.2.4.6 Business Strategies
 - 3.2.4.6.1 Product Developments
 - 3.2.4.7 Corporate Strategies
 - 3.2.4.7.1 Partnerships, Joint Ventures, Collaborations, and Alliances
 - 3.2.4.8 Analyst View
- 3.2.5 AutoNxt Automation
 - 3.2.5.1 Company Overview
 - 3.2.5.2 Role of AutoNxt Automation in the Electric Farm Tractor Market
 - 3.2.5.3 Product Portfolio
 - 3.2.5.4 Customer Profiles
 - 3.2.5.4.1 Target Customers
 - 3.2.5.5 Business Strategies
 - 3.2.5.5.1 Product Developments
 - 3.2.5.6 Analyst View

4 RESEARCH METHODOLOGY

- 4.1 Data Sources
 - 4.1.1 Primary Data Sources
 - 4.1.2 Secondary Data Sources
 - 4.1.3 Data Triangulation
- 4.2 Market Estimation and Forecast

List of Figures

Figure 1: Market Dynamics of the Electric Farm Tractor Market, Drivers, Challenges, and Opportunities

Figure 2: Asia-Pacific Electric Farm Tractor Market, \$Million, 2022-2028

Figure 3: Asia-Pacific Electric Farm Tractor Market (by Application), \$Million, 2022 and 2028

Figure 4: Asia-Pacific Electric Farm Tractor Market (by Mode of Operation), Share (%) 2022

Figure 5: Asia-Pacific Electric Farm Tractor Market (by Drivetrain Technology), Share (%) 2022

Figure 6: Electric Farm Tractor Market (by Region), \$Million, 2022

Figure 7: Applications of 5G in Electric Farm Tractors

Figure 8: Basic Infrastructural Requirements of Electric Farm Tractor Ecosystem

Figure 9: Product Development and Innovation (by Company), January 2017-March 2023

Figure 10: Partnerships, Joint Ventures, Collaborations, and Alliances (by Company), January 2017-March 2023

Figure 11: Wente Vineyards Energy Case Study – Monarch Tractor

Figure 12: Solectrac Inc Mushroom Farm Case Study

Figure 13: Charging Infrastructure, Government Subsidies, and Farm Information

Figure 14: Charging Infrastructure, Government Subsidies, and Farm Information

Figure 15: Charging Infrastructure, Government Subsidies, and Farm Information

Figure 16: Charging Infrastructure, Government Subsidies, and Farm Information

Figure 17: Charging Infrastructure, Government Subsidies, and Farm Information

Figure 18: Charging Infrastructure, Government Subsidies, and Farm Information

Figure 19: Competitive Position Matrix for Electric Farm Tractor Companies

Figure 20: Data Triangulation

Figure 21: Top-Down and Bottom-Up Approach

Figure 22: Assumptions and Limitations

List of Tables

Table 1: Key Consortiums and Associations in the Electric Farm Tractor Market

Table 2: Key Regulatory Bodies

Table 3: Key Government Initiatives/Programs

Table 4: Internet and Electricity Access in Key Countries, 2020

Table 5: Key Start-Ups in the Electric Farm Tractor Market

Table 6: Cost Analysis – Conventional vs. Electric Farm Tractor

Table 7: Technical Parameters Comparison – Monarch Tractor vs. Solectrac Electric Farm Tractors

Table 8: Key Lithium-Ion Battery-Powered Electric Farm Tractor Companies

Table 9: Electric Farm Tractor Market (by Region), \$Million, 2022-2028

Table 10: Electric Farm Tractor Market (by Region), Units, 2022-2028

Table 11: China Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 12: China Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 13: China Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 14: China Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 15: China Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 16: China Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 17: Asia-Pacific Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 18: Asia-Pacific Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 19: Asia-Pacific Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 20: Asia-Pacific Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 21: Asia-Pacific Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 22: Asia-Pacific Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 23: Asia-Pacific Electric farm tractor market (by Country), \$Million, 2022-2028

Table 24: Asia-Pacific Electric farm tractor market (by Country), Units, 2022-2028

Table 25: Japan Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 26: Japan Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 27: Japan Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 28: Japan Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 29: Japan Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 30: Japan Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 31: India Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 32: India Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 33: India Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 34: India Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 35: India Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 36: India Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 37: Australia and New Zealand Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 38: Australia and New Zealand Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 39: Australia and New Zealand Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 40: Australia and New Zealand Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 41: Australia and New Zealand Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 42: Australia and New Zealand Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 43: South Korea Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 44: South Korea Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 45: South Korea Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 46: South Korea Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 47: South Korea Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 48: South Korea Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 49: Rest-of-Asia-Pacific Electric Farm Tractor Market (by Application), \$Million, 2022-2028

Table 50: Rest-of-Asia-Pacific Electric Farm Tractor Market (by Application), Units, 2022-2028

Table 51: Rest-of-Asia-Pacific Electric Farm Tractor Market (by Drivetrain Technology), \$Million, 2022-2028

Table 52: Rest-of-Asia-Pacific Electric Farm Tractor Market (by Drivetrain Technology), Units, 2022-2028

Table 53: Rest-of-Asia-Pacific Electric Farm Tractor Market (by Mode of Operation), \$Million, 2022-2028

Table 54: Rest-of-Asia-Pacific Electric Farm Tractor Market (by Mode of Operation), Units, 2022-2028

Table 55: Celestial eMobility Private Limited: Product Portfolio

Table 56: Cellesstial eMobility Private Limited: Product Pricing

Table 57: Cellesstial eMobility Private Limited: Agreement

Table 58: Kubota Corporation: Product Portfolio

Table 59: Kubota Corporation: Product Developments

Table 60: Kubota Corporation: Kubota Corporation: Market Development

Table 61: Kubota Corporation: Mergers and Acquisitions

Table 62: Sonalika Group: Product Portfolio

Table 63: Sonalika Group: Product Pricing

Table 64: Sonalika Group: Product Developments

Table 65: Erisha Agritech: Product Portfolio

Table 66: Erisha Agritech: Product Pricing

Table 67: Erisha Agritech: Product Developments

Table 68: Erisha Agritech: Partnership, Joint Ventures, Collaborations, and Alliances

Table 69: AutoNxt Automation: Product Portfolio

Table 70: AutoNxt Automation: Product Developments

I would like to order

Product name: Asia-Pacific Electric Farm Tractor Market: Analysis and Forecast, 2023-2028

Product link: <https://marketpublishers.com/r/A24FD56BB186EN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A24FD56BB186EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970