



TVS Industry Research Report 2026

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Description

Transient Voltage Suppressors (TVS) are devices used to protect vulnerable circuits from electrical overstress such as that caused by electrostatic discharge, inductive load switching and induced lightning.

Southeast Asia has the largest global export quantity and manufacturers in TVS market, the TVS production plants of many international companies are located in Southeast Asia, such as: Infineon, Nexperia, ON Semiconductor, etc., while the China is the second sales volume market for TVS in 2019.

Report Scope

This report quantifies the global TVS market in revenue (US\$ million) and, where applicable, sales volume (Million Units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032. It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/Million Units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to TVS.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

TVS Market by Company

Infineon

Nexperia

SEMTECH

Vishay

Littelfuse

BrightKing

Amazing

STMicroelectronics

UN Semiconductor

WAYON

Diodes Inc.

Bourns

LAN technology

ANOVA

MDE

TOSHIBA

UN Semiconductor

PROTEK

INPAQ

EIC

SOCAY

TVS Segment by Type

Uni-polar TVS

Bi-polar TVS

TVS Segment by Application

Automotive

Industry

Power Supplies

Military/Aerospace

Telecommunications

Computing

Consumer

TVS Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global TVS market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of TVS and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of TVS.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of TVS manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of TVS by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of TVS in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 TVS by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Uni-polar TVS
 - 2.2.3 Bi-polar TVS
- 2.3 TVS by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Automotive
 - 2.3.3 Industry
 - 2.3.4 Power Supplies
 - 2.3.5 Military/Aerospace
 - 2.3.6 Telecommunications
 - 2.3.7 Computing
 - 2.3.8 Consumer
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global TVS Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global TVS Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global TVS Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global TVS Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global TVS Production by Manufacturers (2021-2026)
- 3.2 Global TVS Production Value by Manufacturers (2021-2026)
- 3.3 Global TVS Average Price by Manufacturers (2021-2026)
- 3.4 Global TVS Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global TVS Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global TVS Manufacturers, Product Type & Application
- 3.7 Global TVS Manufacturers Established Date
- 3.8 Global TVS Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 Infineon
 - 4.1.1 Infineon TVS Company Information
 - 4.1.2 Infineon TVS Business Overview
 - 4.1.3 Infineon TVS Production, Value and Gross Margin (2021-2026)

- 4.1.4 Infineon Product Portfolio
- 4.1.5 Infineon Recent Developments
- 4.2 Nexperia
 - 4.2.1 Nexperia TVS Company Information
 - 4.2.2 Nexperia TVS Business Overview
 - 4.2.3 Nexperia TVS Production, Value and Gross Margin (2021-2026)
 - 4.2.4 Nexperia Product Portfolio
 - 4.2.5 Nexperia Recent Developments
- 4.3 SEMTECH
 - 4.3.1 SEMTECH TVS Company Information
 - 4.3.2 SEMTECH TVS Business Overview
 - 4.3.3 SEMTECH TVS Production, Value and Gross Margin (2021-2026)
 - 4.3.4 SEMTECH Product Portfolio
 - 4.3.5 SEMTECH Recent Developments
- 4.4 Vishay
 - 4.4.1 Vishay TVS Company Information
 - 4.4.2 Vishay TVS Business Overview
 - 4.4.3 Vishay TVS Production, Value and Gross Margin (2021-2026)
 - 4.4.4 Vishay Product Portfolio
 - 4.4.5 Vishay Recent Developments
- 4.5 Littelfuse
 - 4.5.1 Littelfuse TVS Company Information
 - 4.5.2 Littelfuse TVS Business Overview
 - 4.5.3 Littelfuse TVS Production, Value and Gross Margin (2021-2026)
 - 4.5.4 Littelfuse Product Portfolio
 - 4.5.5 Littelfuse Recent Developments
- 4.6 BrightKing
 - 4.6.1 BrightKing TVS Company Information
 - 4.6.2 BrightKing TVS Business Overview
 - 4.6.3 BrightKing TVS Production, Value and Gross Margin (2021-2026)
 - 4.6.4 BrightKing Product Portfolio
 - 4.6.5 BrightKing Recent Developments
- 4.7 Amazing
 - 4.7.1 Amazing TVS Company Information
 - 4.7.2 Amazing TVS Business Overview
 - 4.7.3 Amazing TVS Production, Value and Gross Margin (2021-2026)
 - 4.7.4 Amazing Product Portfolio
 - 4.7.5 Amazing Recent Developments
- 4.8 STMicroelectronics
 - 4.8.1 STMicroelectronics TVS Company Information
 - 4.8.2 STMicroelectronics TVS Business Overview
 - 4.8.3 STMicroelectronics TVS Production, Value and Gross Margin (2021-2026)
 - 4.8.4 STMicroelectronics Product Portfolio
 - 4.8.5 STMicroelectronics Recent Developments
- 4.9 UN Semiconductor
 - 4.9.1 UN Semiconductor TVS Company Information
 - 4.9.2 UN Semiconductor TVS Business Overview
 - 4.9.3 UN Semiconductor TVS Production, Value and Gross Margin (2021-2026)

4.9.4 UN Semiconductor Product Portfolio

4.9.5 UN Semiconductor Recent Developments

4.10 WAYON

4.10.1 WAYON TVS Company Information

4.10.2 WAYON TVS Business Overview

4.10.3 WAYON TVS Production, Value and Gross Margin (2021-2026)

4.10.4 WAYON Product Portfolio

4.10.5 WAYON Recent Developments

4.11 Diodes Inc.

4.11.1 Diodes Inc. TVS Company Information

4.11.2 Diodes Inc. TVS Business Overview

4.11.3 Diodes Inc. TVS Production, Value and Gross Margin (2021-2026)

4.11.4 Diodes Inc. Product Portfolio

4.11.5 Diodes Inc. Recent Developments

4.12 Bourns

4.12.1 Bourns TVS Company Information

4.12.2 Bourns TVS Business Overview

4.12.3 Bourns TVS Production, Value and Gross Margin (2021-2026)

4.12.4 Bourns Product Portfolio

4.12.5 Bourns Recent Developments

4.13 LAN technology

4.13.1 LAN technology TVS Company Information

4.13.2 LAN technology TVS Business Overview

4.13.3 LAN technology TVS Production, Value and Gross Margin (2021-2026)

4.13.4 LAN technology Product Portfolio

4.13.5 LAN technology Recent Developments

4.14 ANOVA

4.14.1 ANOVA TVS Company Information

4.14.2 ANOVA TVS Business Overview

4.14.3 ANOVA TVS Production, Value and Gross Margin (2021-2026)

4.14.4 ANOVA Product Portfolio

4.14.5 ANOVA Recent Developments

4.15 MDE

4.15.1 MDE TVS Company Information

4.15.2 MDE TVS Business Overview

4.15.3 MDE TVS Production, Value and Gross Margin (2021-2026)

4.15.4 MDE Product Portfolio

4.15.5 MDE Recent Developments

4.16 TOSHIBA

4.16.1 TOSHIBA TVS Company Information

4.16.2 TOSHIBA TVS Business Overview

4.16.3 TOSHIBA TVS Production, Value and Gross Margin (2021-2026)

4.16.4 TOSHIBA Product Portfolio

4.16.5 TOSHIBA Recent Developments

4.17 UN Semiconductor

4.17.1 UN Semiconductor TVS Company Information

4.17.2 UN Semiconductor TVS Business Overview

4.17.3 UN Semiconductor TVS Production, Value and Gross Margin (2021-2026)

- 4.17.4 UN Semiconductor Product Portfolio
- 4.17.5 UN Semiconductor Recent Developments

4.18 PROTEK

- 4.18.1 PROTEK TVS Company Information
- 4.18.2 PROTEK TVS Business Overview
- 4.18.3 PROTEK TVS Production, Value and Gross Margin (2021-2026)
- 4.18.4 PROTEK Product Portfolio
- 4.18.5 PROTEK Recent Developments

4.19 INPAQ

- 4.19.1 INPAQ TVS Company Information
- 4.19.2 INPAQ TVS Business Overview
- 4.19.3 INPAQ TVS Production, Value and Gross Margin (2021-2026)
- 4.19.4 INPAQ Product Portfolio
- 4.19.5 INPAQ Recent Developments

4.20 EIC

- 4.20.1 EIC TVS Company Information
- 4.20.2 EIC TVS Business Overview
- 4.20.3 EIC TVS Production, Value and Gross Margin (2021-2026)
- 4.20.4 EIC Product Portfolio
- 4.20.5 EIC Recent Developments

4.21 SOCAY

- 4.21.1 SOCAY TVS Company Information
- 4.21.2 SOCAY TVS Business Overview
- 4.21.3 SOCAY TVS Production, Value and Gross Margin (2021-2026)
- 4.21.4 SOCAY Product Portfolio
- 4.21.5 SOCAY Recent Developments

5 Global TVS Production by Region

- 5.1 Global TVS Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.2 Global TVS Production by Region: 2021-2032
 - 5.2.1 Global TVS Production by Region: 2021-2026
 - 5.2.2 Global TVS Production Forecast by Region (2027-2032)
- 5.3 Global TVS Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.4 Global TVS Production Value by Region: 2021-2032
 - 5.4.1 Global TVS Production Value by Region: 2021-2026
 - 5.4.2 Global TVS Production Value Forecast by Region (2027-2032)
- 5.5 Global TVS Market Price Analysis by Region (2021-2026)
- 5.6 Global TVS Production and Value, YOY Growth
 - 5.6.1 North America TVS Production Value Estimates and Forecasts (2021-2032)
 - 5.6.2 Europe TVS Production Value Estimates and Forecasts (2021-2032)
 - 5.6.3 China TVS Production Value Estimates and Forecasts (2021-2032)
 - 5.6.4 Japan TVS Production Value Estimates and Forecasts (2021-2032)
 - 5.6.5 South Korea TVS Production Value Estimates and Forecasts (2021-2032)

6 Global TVS Consumption by Region

- 6.1 Global TVS Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 6.2 Global TVS Consumption by Region (2021-2032)
 - 6.2.1 Global TVS Consumption by Region: 2021-2026
 - 6.2.2 Global TVS Forecasted Consumption by Region (2027-2032)

6.3 North America

6.3.1 North America TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America TVS Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe TVS Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific TVS Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa TVS Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

7 Segment by Type

7.1 Global TVS Production by Type (2021-2032)

7.1.1 Global TVS Production by Type (2021-2032) & (Million Units)

7.1.2 Global TVS Production Market Share by Type (2021-2032)

7.2 Global TVS Production Value by Type (2021-2032)

7.2.1 Global TVS Production Value by Type (2021-2032) & (US\$ Million)

7.2.2 Global TVS Production Value Market Share by Type (2021-2032)

7.3 Global TVS Price by Type (2021-2032)

8 Segment by Application

8.1 Global TVS Production by Application (2021-2032)

8.1.1 Global TVS Production by Application (2021-2032) & (Million Units)

8.1.2 Global TVS Production Market Share by Application (2021-2032)

8.2 Global TVS Production Value by Application (2021-2032)

8.2.1 Global TVS Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global TVS Production Value Market Share by Application (2021-2032)

8.3 Global TVS Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 TVS Value Chain Analysis

9.1.1 TVS Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 TVS Production Mode & Process

9.2 TVS Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 TVS Distributors

9.2.3 TVS Customers

10 Global TVS Analyzing Market Dynamics

10.1 TVS Industry Trends

10.2 TVS Industry Drivers

10.3 TVS Industry Opportunities and Challenges

10.4 TVS Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global TVS Production by Manufacturers (Million Units) & (2021-2026)
- Table 6: Global TVS Production Market Share by Manufacturers
- Table 7: Global TVS Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global TVS Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global TVS Average Price (USD/K Unit) of Manufacturers (2021-2026)
- Table 10: Global TVS Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global TVS Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global TVS Manufacturers, Product Type & Application
- Table 13: Global TVS Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global TVS by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Infineon Company Information
- Table 18: Infineon Business Overview
- Table 19: Infineon TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 20: Infineon TVS Product Portfolio
- Table 21: Infineon Recent Development
- Table 22: Nexperia Company Information
- Table 23: Nexperia Business Overview
- Table 24: Nexperia TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 25: Nexperia TVS Product Portfolio
- Table 26: Nexperia Recent Development
- Table 27: SEMTECH Company Information
- Table 28: SEMTECH Business Overview
- Table 29: SEMTECH TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 30: SEMTECH TVS Product Portfolio
- Table 31: SEMTECH Recent Development
- Table 32: Vishay Company Information
- Table 33: Vishay Business Overview
- Table 34: Vishay TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 35: Vishay TVS Product Portfolio
- Table 36: Vishay Recent Development
- Table 37: Littelfuse Company Information
- Table 38: Littelfuse Business Overview
- Table 39: Littelfuse TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 40: Littelfuse TVS Product Portfolio
- Table 41: Littelfuse Recent Development
- Table 42: BrightKing Company Information
- Table 43: BrightKing Business Overview
- Table 44: BrightKing TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 45: BrightKing TVS Product Portfolio
- Table 46: BrightKing Recent Development
- Table 47: Amazing Company Information
- Table 48: Amazing Business Overview
- Table 49: Amazing TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 50: Amazing TVS Product Portfolio
- Table 51: Amazing Recent Development
- Table 52: STMicroelectronics Company Information
- Table 53: STMicroelectronics Business Overview
- Table 54: STMicroelectronics TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)

- Table 55: STMicroelectronics TVS Product Portfolio
- Table 56: STMicroelectronics Recent Development
- Table 57: UN Semiconductor Company Information
- Table 58: UN Semiconductor Business Overview
- Table 59: UN Semiconductor TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 60: UN Semiconductor TVS Product Portfolio
- Table 61: UN Semiconductor Recent Development
- Table 62: WAYON Company Information
- Table 63: WAYON Business Overview
- Table 64: WAYON TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 65: WAYON TVS Product Portfolio
- Table 66: WAYON Recent Development
- Table 67: Diodes Inc. Company Information
- Table 68: Diodes Inc. Business Overview
- Table 69: Diodes Inc. TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 70: Diodes Inc. TVS Product Portfolio
- Table 71: Diodes Inc. Recent Development
- Table 72: Bourns Company Information
- Table 73: Bourns Business Overview
- Table 74: Bourns TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 75: Bourns TVS Product Portfolio
- Table 76: Bourns Recent Development
- Table 77: LAN technology Company Information
- Table 78: LAN technology Business Overview
- Table 79: LAN technology TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 80: LAN technology TVS Product Portfolio
- Table 81: LAN technology Recent Development
- Table 82: ANOVA Company Information
- Table 83: ANOVA Business Overview
- Table 84: ANOVA TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 85: ANOVA TVS Product Portfolio
- Table 86: ANOVA Recent Development
- Table 87: MDE Company Information
- Table 88: MDE Business Overview
- Table 89: MDE TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 90: MDE TVS Product Portfolio
- Table 91: MDE Recent Development
- Table 92: TOSHIBA Company Information
- Table 93: TOSHIBA Business Overview
- Table 94: TOSHIBA TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 95: TOSHIBA TVS Product Portfolio
- Table 96: TOSHIBA Recent Development
- Table 97: UN Semiconductor Company Information
- Table 98: UN Semiconductor Business Overview
- Table 99: UN Semiconductor TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 100: UN Semiconductor TVS Product Portfolio
- Table 101: UN Semiconductor Recent Development
- Table 102: PROTEK Company Information
- Table 103: PROTEK Business Overview
- Table 104: PROTEK TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 105: PROTEK TVS Product Portfolio
- Table 106: PROTEK Recent Development
- Table 107: INPAQ Company Information
- Table 108: INPAQ Business Overview
- Table 109: INPAQ TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 110: INPAQ TVS Product Portfolio
- Table 111: INPAQ Recent Development
- Table 112: EIC Company Information
- Table 113: EIC Business Overview
- Table 114: EIC TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 115: EIC TVS Product Portfolio
- Table 116: EIC Recent Development

- Table 117: SOCATY Company Information
- Table 118: SOCATY Business Overview
- Table 119: SOCATY TVS Production (Million Units), Value (US\$ Million), Price (USD/K Unit) and Gross Margin (2021-2026)
- Table 120: SOCATY TVS Product Portfolio
- Table 121: SOCATY Recent Development
- Table 122: Global TVS Production Comparison by Region: 2021 VS 2025 VS 2032 (Million Units)
- Table 123: Global TVS Production by Region (2021-2026) & (Million Units)
- Table 124: Global TVS Production Market Share by Region (2021-2026)
- Table 125: Global TVS Production Forecast by Region (2027-2032) & (Million Units)
- Table 126: Global TVS Production Market Share Forecast by Region (2027-2032)
- Table 127: Global TVS Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 128: Global TVS Production Value by Region (2021-2026) & (US\$ Million)
- Table 129: Global TVS Production Value Market Share by Region (2021-2026)
- Table 130: Global TVS Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 131: Global TVS Market Average Price (USD/K Unit) by Region (2021-2026)
- Table 132: Global TVS Market Average Price (USD/K Unit) by Region (2027-2032)
- Table 133: Global TVS Consumption Comparison by Region: 2021 VS 2025 VS 2032 (Million Units)
- Table 134: Global TVS Consumption by Region (2021-2026) & (Million Units)
- Table 135: Global TVS Consumption Market Share by Region (2021-2026)
- Table 136: Global TVS Forecasted Consumption by Region (2027-2032) & (Million Units)
- Table 137: Global TVS Forecasted Consumption Market Share by Region (2027-2032)
- Table 138: North America TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Million Units)
- Table 139: North America TVS Consumption by Country (2021-2026) & (Million Units)
- Table 140: North America TVS Consumption by Country (2027-2032) & (Million Units)
- Table 141: Europe TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Million Units)
- Table 142: Europe TVS Consumption by Country (2021-2026) & (Million Units)
- Table 143: Europe TVS Consumption by Country (2027-2032) & (Million Units)
- Table 144: Asia Pacific TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Million Units)
- Table 145: Asia Pacific TVS Consumption by Country (2021-2026) & (Million Units)
- Table 146: Asia Pacific TVS Consumption by Country (2027-2032) & (Million Units)
- Table 147: South America, Middle East & Africa TVS Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Million Units)
- Table 148: South America, Middle East & Africa TVS Consumption by Country (2021-2026) & (Million Units)
- Table 149: South America, Middle East & Africa TVS Consumption by Country (2027-2032) & (Million Units)
- Table 150: Global TVS Production by Type (2021-2026) & (Million Units)
- Table 151: Global TVS Production by Type (2027-2032) & (Million Units)
- Table 152: Global TVS Production Market Share by Type (2021-2026)
- Table 153: Global TVS Production Market Share by Type (2027-2032)
- Table 154: Global TVS Production Value by Type (2021-2026) & (US\$ Million)
- Table 155: Global TVS Production Value by Type (2027-2032) & (US\$ Million)
- Table 156: Global TVS Production Value Market Share by Type (2021-2026)
- Table 157: Global TVS Production Value Market Share by Type (2027-2032)
- Table 158: Global TVS Price by Type (2021-2026) & (USD/K Unit)
- Table 159: Global TVS Price by Type (2027-2032) & (USD/K Unit)
- Table 160: Global TVS Production by Application (2021-2026) & (Million Units)
- Table 161: Global TVS Production by Application (2027-2032) & (Million Units)
- Table 162: Global TVS Production Market Share by Application (2021-2026)
- Table 163: Global TVS Production Market Share by Application (2027-2032)
- Table 164: Global TVS Production Value by Application (2021-2026) & (US\$ Million)
- Table 165: Global TVS Production Value by Application (2027-2032) & (US\$ Million)
- Table 166: Global TVS Production Value Market Share by Application (2021-2026)
- Table 167: Global TVS Production Value Market Share by Application (2027-2032)
- Table 168: Global TVS Price by Application (2021-2026) & (USD/K Unit)
- Table 169: Global TVS Price by Application (2027-2032) & (USD/K Unit)
- Table 170: Key Raw Materials
- Table 171: Raw Materials Key Suppliers
- Table 172: TVS Distributors List
- Table 173: TVS Customers List
- Table 174: TVS Industry Trends
- Table 175: TVS Industry Drivers
- Table 176: TVS Industry Restraints
- Table 177: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: TVS Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Uni-polar TVS Product Image
- Figure 7: Bi-polar TVS Product Image
- Figure 8: Automotive Product Image
- Figure 9: Industry Product Image
- Figure 10: Power Supplies Product Image
- Figure 11: Military/Aerospace Product Image
- Figure 12: Telecommunications Product Image
- Figure 13: Computing Product Image
- Figure 14: Consumer Product Image
- Figure 15: Global TVS Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 16: Global TVS Production Value (2021-2032) & (US\$ Million)
- Figure 17: Global TVS Production Capacity (2021-2032) & (Million Units)
- Figure 18: Global TVS Production (2021-2032) & (Million Units)
- Figure 19: Global TVS Average Price (USD/K Unit) & (2021-2032)
- Figure 20: Global TVS Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 21: Global Top 5 and 10 TVS Players Market Share by Production Value in 2025
- Figure 22: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 23: Global TVS Production Comparison by Region: 2021 VS 2025 VS 2032 (Million Units)
- Figure 24: Global TVS Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 25: Global TVS Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 26: Global TVS Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 27: North America TVS Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: Europe TVS Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: China TVS Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 30: Japan TVS Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 31: South Korea TVS Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 32: Global TVS Consumption Comparison by Region: 2021 VS 2025 VS 2032 (Million Units)
- Figure 33: Global TVS Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 34: North America TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 35: North America TVS Consumption Market Share by Country (2021-2032)
- Figure 36: United States TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 37: United States TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 38: Canada TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 39: Mexico TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 40: Europe TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 41: Europe TVS Consumption Market Share by Country (2021-2032)
- Figure 42: Germany TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 43: France TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 44: U.K. TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 45: Italy TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 46: Russia TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 47: Spain TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 48: Netherlands TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 49: Switzerland TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 50: Sweden TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 51: Poland TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 52: Asia Pacific TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 53: Asia Pacific TVS Consumption Market Share by Country (2021-2032)
- Figure 54: China TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 55: Japan TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 56: South Korea TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 57: India TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 58: Australia TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 59: Taiwan TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 60: Southeast Asia TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 61: South America, Middle East & Africa TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 62: South America, Middle East & Africa TVS Consumption Market Share by Country (2021-2032)
- Figure 63: Brazil TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 64: Argentina TVS Consumption and Growth Rate (2021-2032) & (Million Units)

- Figure 65: Chile TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 66: Turkey TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 67: GCC Countries TVS Consumption and Growth Rate (2021-2032) & (Million Units)
- Figure 68: Global TVS Production Market Share by Type (2021-2032)
- Figure 69: Global TVS Production Value Market Share by Type (2021-2032)
- Figure 70: Global TVS Price (USD/K Unit) by Type (2021-2032)
- Figure 71: Global TVS Production Market Share by Application (2021-2032)
- Figure 72: Global TVS Production Value Market Share by Application (2021-2032)
- Figure 73: Global TVS Price (USD/K Unit) by Application (2021-2032)
- Figure 74: TVS Value Chain
- Figure 75: TVS Production Mode & Process
- Figure 76: Direct Comparison with Distribution Share
- Figure 77: Distributors Profiles
- Figure 78: TVS Industry Opportunities and Challenges