

# **Harmonic Filter Market by Type (Active, and Passive), Voltage Level (Low Voltage Harmonic, Medium Voltage Harmonic, and High Voltage Harmonic), Phase, End User, and Region - Global Forecast to 2023**

<https://marketpublishers.com/r/H7D1BD5724BEN.html>

Date: June 2017

Pages: 173

Price: US\$ 5,650.00 (Single User License)

ID: H7D1BD5724BEN

## **Abstracts**

“The harmonic filter market is projected to grow at a CAGR of 6.65% between 2017 and 2023”

According to the new market research report, the harmonic filter market is projected to grow from USD 0.70 billion in 2016 to USD 1.12 billion by 2023, at a CAGR of 6.65% between 2017 and 2023. The key reason fueling the growth of the market is the need to eliminate the harmonic distortion caused by nonlinear loads. Harmonics in power systems result in increased heating of equipment and conductors, misfiring in variable speed drives, and torque pulsations in motors. Thus, reduction of harmonics using filters is crucial across industrial and commercial sectors.

“Based on type, the passive segment is expected to lead the harmonic filter market between 2017 and 2023”

The cost of Passive Harmonic Filter (PHF) is lower than Active Harmonic Filter (AHF), as the former is built using passive network elements, such as resistors, capacitors, and inductors. In the present scenario, PHF is most commonly used to control the flow of harmonic currents. PHFs offer a plug-and-play approach with more compact dimensions, which is one of their major advantages over AHFs.

“The harmonic filter market in APAC is expected to grow at the highest CAGR during the forecast period”

The harmonic filter market has been studied for North America, Europe, APAC, and RoW. The market in APAC is expected to grow at the highest rate between 2017 and 2023. This can be attributed to the growth of different industries in the region and the adoption of complex equipment that tend to generate harmonics.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews were conducted with key experts. The breakup of profiles of primary participants is given below:

By Company Type: Tier 1—25%, Tier 2—40%, and Tier 3—35%

By Designation: C Level—50%, Director Level—40%, and Others—10%

By Region: North America—35%, Europe—22%, APAC—28%, and RoW—15%

Major players in the harmonic filter market are ABB Ltd. (Switzerland), Schneider Electric SE (France), Eaton Corporation Plc (Ireland), Danfoss A/S (Denmark), and Schaffner Holding AG (Switzerland), among others.

#### Research Coverage:

This report segments the harmonic filter market on the basis of voltage level into low voltage harmonic, medium voltage level, and high voltage level. Based on phase, the harmonic filter market has been segmented into 1-phase and 3-phase. On the basis of type, the harmonic filter market has been segmented into active and passive. Based on end user, the harmonic filter market has been divided into industrial, commercial, and residential. Furthermore, the harmonic filter market has been studied for North America, Europe, APAC, and RoW.

#### Key Benefits of Buying the Report:

This report includes market statistics pertaining to type, phase, voltage level, end user, and region, along with their respective revenues.

It also includes value chain analysis to provide an insight into the harmonic filter market.

The major drivers, restraints, challenges, and opportunities for the harmonic filter market have been detailed in this report.

Illustrative segmentation, analysis, and forecast for the harmonic filter market based on type, phase, voltage level, end user, and region have been conducted to provide an overall view of the harmonic filter market.

A detailed competitive landscape has been provided, which includes DIVE analysis, business strategy, product offerings, and key players and their revenues.

The available customizations for the report offer further country-wise segmentation of the harmonic filter market, in terms of value; further breakdown of the industry could be provided, along with the profiling of additional companies in the report.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 DEFINITION
- 1.3 STUDY SCOPE
  - 1.3.1 GEOGRAPHIC SCOPE
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 PACKAGE SIZE
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key secondary sources
    - 2.1.1.2 List of major secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 APPROACH FOR CAPTURING THE MARKET SHARE BY BOTTOM-UP ANALYSIS (DEMAND SIDE)
  - 2.2.2 APPROACH FOR CAPTURING THE MARKET SHARE BY TOP-DOWN ANALYSIS (SUPPLY SIDE)
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES FOR THE HARMONIC FILTER MARKET
- 4.2 HARMONIC FILTER MARKET, BY TYPE
- 4.3 HARMONIC FILTER MARKET, BY VOLTAGE LEVEL

4.4 HARMONIC FILTER MARKET, BY END USER

4.5 HARMONIC FILTER MARKET, BY PHASE

## **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS: HARMONIC FILTER MARKET

5.2.1 DRIVERS

5.2.1.1 Rising need for high power quality and reliability

5.2.1.2 Increased adoption of variable frequency drives (VFDs)

5.2.1.3 Stringent government regulations pertaining to power quality and reliability

5.2.1.4 Increasing awareness of negative effects of harmonic disturbances

5.2.2 RESTRAINTS

5.2.2.1 High cost of harmonic filters and their cost of installation and maintenance

5.2.2.2 Availability of substitutes for harmonics filters

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing demand in commercial applications

5.2.3.2 Increasing automation across end-user industries

5.2.4 CHALLENGES

5.2.4.1 Less awareness about active harmonic filters

5.2.4.2 Fluctuating prices of oil and gas

## **6 INDUSTRY TRENDS**

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.2.1 RESEARCH AND DEVELOPMENT

6.2.2 COMPONENT PROVIDERS

6.2.3 MANUFACTURERS

6.2.4 MARKETING AND SALES

6.2.5 END USERS

6.3 KEY TRENDS: HARMONIC FILTER MARKET

6.4 GOVERNMENT STANDARDS AND REGULATIONS RELATED TO THE HARMONIC FILTER MARKET

## **7 HARMONIC FILTER MARKET, BY TYPE**

7.1 INTRODUCTION

7.2 ACTIVE HARMONIC FILTER (AHF)

## 7.3 PASSIVE HARMONIC FILTER (PHF)

### 7.3.1 TUNED PASSIVE HARMONIC FILTER

### 7.3.2 DETUNED PASSIVE HARMONIC FILTER

## 8 HARMONIC FILTER MARKET, BY VOLTAGE LEVEL

### 8.1 INTRODUCTION

### 8.2 LOW-VOLTAGE HARMONIC FILTERS

### 8.3 MEDIUM-VOLTAGE HARMONIC FILTERS

### 8.4 HIGH-VOLTAGE HARMONIC FILTERS

## 9 HARMONIC FILTER MARKET, BY END-USER

### 9.1 INTRODUCTION

### 9.2 INDUSTRIAL

#### 9.2.1 MANUFACTURING

#### 9.2.2 METAL PROCESSING

#### 9.2.3 PULP AND PAPER

#### 9.2.4 AUTOMOTIVE

#### 9.2.5 OIL AND GAS

#### 9.2.6 OTHERS

##### 9.2.6.1 Water treatment

##### 9.2.6.2 Packaging

##### 9.2.6.3 Food processing

### 9.3 COMMERCIAL

### 9.4 RESIDENTIAL

## 10 HARMONIC FILTER MARKET, BY PHASE

### 10.1 INTRODUCTION

### 10.2 SINGLE-PHASE HARMONIC FILTER

### 10.3 THREE-PHASE HARMONIC FILTER

## 11 GEOGRAPHIC ANALYSIS

### 11.1 INTRODUCTION

### 11.2 NORTH AMERICA

#### 11.2.1 US

#### 11.2.2 REST OF NORTH AMERICA

## 11.3 EUROPE

### 11.3.1 UK

### 11.3.2 GERMANY

### 11.3.3 FRANCE

### 11.3.4 REST OF EUROPE

## 11.4 ASIA PACIFIC (APAC)

### 11.4.1 CHINA

### 11.4.2 JAPAN

### 11.4.3 INDIA

### 11.4.4 REST OF APAC

## 11.5 ROW

### 11.5.1 MIDDLE EAST

### 11.5.2 AFRICA

### 11.5.3 LATIN AMERICA

## 12 COMPETITIVE LANDSCAPE

### 12.1 INTRODUCTION

### 12.2 MARKET RANKING ANALYSIS, 2016

### 12.3 COMPETITIVE SITUATIONS AND TRENDS

### 12.4 VENDOR DIVE OVERVIEW

#### 12.4.1 DYNAMIC PLAYERS

#### 12.4.2 EMERGING PLAYERS

#### 12.4.3 VANGUARDS

#### 12.4.4 INNOVATORS

#### 12.4.5 DIVE CHART

### 12.5 BUSINESS STRATEGIES ADOPTED BY MAJOR PLAYERS IN THE HARMONIC FILTER MARKET (25 PLAYERS)

### 12.6 ANALYSIS OF PRODUCT PORTFOLIO OF MAJOR PLAYERS IN THE HARMONIC FILTER MARKET (25 PLAYERS)

ABB Ltd. (Switzerland), Schneider Electric SE (France), Eaton Corporation Plc (Ireland), Siemens AG (Germany), Schaffner Holding AG (Switzerland), Danfoss A/S (Denmark), Crompton Greaves Ltd. (India), Larsen & Toubro Limited (India), Artech (Spain), MIRUS International Inc. (Canada), REO AG (Germany), Phaseco, Inc. (the US), AFP Transformers (the US), Finmotor SRL (Italy), Baron Power Limited (India), TDK Corporation (Japan), TCI, LLC (the US), AVX Corporation (the US), Mesta Electronics, Inc. (the US), Astrodyne TDI Power Supplies & EMI Filters (the US), Shandong Hoteam Electric Co., Ltd. (China), Comsys AB (Sweden), MTE Corporation (the US), LPI-NZ Ltd. (Australia), NHP (New Zealand)

## 13 COMPANY PROFILES

(Business Overview, Products offered & Services strategies, Key Relationship, Recent Developments, MnM View)\*

13.1 INTRODUCTION

13.2 ABB LTD.

13.3 SCHNEIDER ELECTRIC SE

13.4 EATON CORPORATION PLC

13.5 SCHAFFNER HOLDING AG

13.6 SIEMENS AG

13.7 CG POWER AND INDUSTRIAL SOLUTIONS LIMITED (CG)

13.8 TDK CORPORATION

13.9 LARSEN & TOUBRO LIMITED (L&T)

13.10 ARTECHE

13.11 AVX CORPORATION

13.12 MTE CORPORATION

13.13 COMSYS AB

13.14 ENSPEC POWER LTD

13.15 MIRUS INTERNATIONAL INC.

13.16 LPI-NZ LTD

13.17 MESTA ELECTRONIC INC.

13.18 REO AG

13.19 BARON POWER LTD

13.20 TCI, LLC

13.21 DANFOSS A/S

13.22 KEY INNOVATORS

13.22.1 SINEXCEL ELECTRIC CO., LTD

13.22.2 LPI-NZ LTD

13.22.3 CLARIANT POWER SYSTEM LTD.

13.22.4 INPHASE POWER TECHNOLOGIES PRIVATE LIMITED

13.22.5 REM ELECTROMACH PVT. LTD.

\*Details on Business Overview, Products offered & Services strategies, Key Relationship, Recent Developments, MnM View might not be captured in case of unlisted companies.

## 14 APPENDIX



14.1 INSIGHTS OF INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

14.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

14.5 AVAILABLE CUSTOMIZATIONS

14.6 RELATED REPORTS

14.7 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 COMPARISON BETWEEN ACTIVE AND PASSIVE HARMONIC FILTERS

Table 2 HARMONIC FILTER MARKET, BY TYPE, 2014–2023 (USD MILLION)

Table 3 HARMONIC FILTER MARKET, BY TYPE, 2014–2023 (MILLION UNITS)

Table 4 HARMONIC FILTER MARKET FOR ACTIVE HARMONIC FILTER, BY REGION, 2014–2023 (USD MILLION)

Table 5 HARMONIC FILTER MARKET FOR PASSIVE HARMONIC FILTER, BY REGION, 2014–2023 (USD MILLION)

Table 6 HARMONIC FILTER MARKET, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 7 LOW-VOLTAGE HARMONIC FILTER MARKET, BY REGION, 2014–2023 (USD MILLION)

Table 8 MEDIUM-VOLTAGE HARMONIC FILTER MARKET, BY REGION, 2014–2023 (USD MILLION)

Table 9 HIGH-VOLTAGE HARMONIC FILTER MARKET, BY REGION, 2014–2023 (USD MILLION)

Table 10 HARMONIC FILTER MARKET, BY END USER, 2014–2023 (USD MILLION)

Table 11 HARMONIC FILTER MARKET FOR INDUSTRIAL END USER, BY REGION, 2014–2023 (USD MILLION)

Table 12 HARMONIC FILTER MARKET FOR COMMERCIAL END USER, BY REGION, 2014–2023 (USD MILLION)

Table 13 HARMONIC FILTER MARKET FOR RESIDENTIAL END USER, BY REGION, 2014–2023 (USD MILLION)

Table 14 HARMONIC FILTER MARKET, BY PHASE, 2014–2023 (USD MILLION)

Table 15 HARMONIC FILTER MARKET IN NORTH AMERICA, BY PHASE, 2014–2023 (USD MILLION)

Table 16 HARMONIC FILTER MARKET IN EUROPE, BY PHASE, 2014–2023 (USD MILLION)

Table 17 HARMONIC FILTER MARKET IN APAC, BY PHASE, 2014–2023 (USD MILLION)

Table 18 HARMONIC FILTER MARKET IN ROW, BY PHASE, 2014–2023 (USD MILLION)

Table 19 HARMONIC FILTER MARKET, BY REGION, 2014–2023 (USD MILLION)

Table 20 HARMONIC FILTER MARKET IN US, BY TYPE, 2014–2023 (USD MILLION)

Table 21 HARMONIC FILTER MARKET IN US, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 22 HARMONIC FILTER MARKET IN US, BY END USER, 2014–2023 (USD MILLION)

Table 23 HARMONIC FILTER MARKET IN REST OF NORTH AMERICA, BY TYPE, 2014–2023 (USD MILLION)

Table 24 HARMONIC FILTER MARKET IN REST OF NORTH AMERICA, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 25 HARMONIC FILTER MARKET IN REST OF NORTH AMERICA, BY END USER, 2014–2023 (USD MILLION)

Table 26 HARMONIC FILTER MARKET IN NORTH AMERICA, BY COUNTRY, 2014–2023 (USD MILLION)

Table 27 HARMONIC FILTER MARKET IN NORTH AMERICA, BY TYPE, 2014–2023 (USD MILLION)

Table 28 HARMONIC FILTER MARKET IN NORTH AMERICA, BY VOLTAGE LEVEL, 2014–2022 (USD MILLION)

Table 29 HARMONIC FILTER MARKET IN NORTH AMERICA, BY END USER, 2014–2023 (USD MILLION)

Table 30 HARMONIC FILTER MARKET IN EUROPE, BY TYPE, 2014–2023 (USD MILLION)

Table 31 HARMONIC FILTER MARKET IN EUROPE, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 32 HARMONIC FILTER MARKET IN EUROPE, BY END USER, 2014–2023 (USD MILLION)

Table 33 HARMONIC FILTER MARKET IN EUROPE, BY COUNTRY, 2014–2023 (USD MILLION)

Table 34 HARMONIC FILTER MARKET IN UK, BY TYPE, 2014–2023 (USD MILLION)

Table 35 HARMONIC FILTER MARKET IN UK, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 36 HARMONIC FILTER MARKET IN UK, BY END USER, 2014–2023 (USD MILLION)

Table 37 HARMONIC FILTER MARKET IN GERMANY, BY TYPE, 2014–2023 (USD MILLION)

Table 38 HARMONIC FILTER MARKET IN GERMANY, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 39 HARMONIC FILTER MARKET IN GERMANY, BY END USER, 2014–2023 (USD MILLION)

Table 40 HARMONIC FILTER MARKET IN FRANCE, BY TYPE, 2014–2023 (USD MILLION)

Table 41 HARMONIC FILTER MARKET IN FRANCE, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 42 HARMONIC FILTER MARKET IN FRANCE, BY END USER, 2014–2023  
(USD MILLION)

Table 43 HARMONIC FILTER MARKET IN REST OF EUROPE, BY TYPE, 2014–2023  
(USD MILLION)

Table 44 HARMONIC FILTER MARKET IN REST OF EUROPE, BY VOLTAGE LEVEL,  
2014–2023 (USD MILLION)

Table 45 HARMONIC FILTER MARKET IN REST OF EUROPE, BY END USER,  
2014–2023 (USD MILLION)

Table 46 HARMONIC FILTER MARKET IN APAC, BY TYPE, 2014–2023 (USD  
MILLION)

Table 47 HARMONIC FILTER MARKET IN APAC, BY VOLTAGE LEVEL, 2014–2023  
(USD MILLION)

Table 48 HARMONIC FILTER MARKET IN APAC, BY END USER, 2014–2023 (USD  
MILLION)

Table 49 HARMONIC FILTER MARKET IN APAC, BY COUNTRY, 2014–2023 (USD  
MILLION)

Table 50 HARMONIC FILTER MARKET IN CHINA, BY TYPE, 2014–2023 (USD  
MILLION)

Table 51 HARMONIC FILTER MARKET IN CHINA, BY VOLTAGE LEVEL, 2014–2023  
(USD MILLION)

Table 52 HARMONIC FILTER MARKET IN CHINA, BY END USER, 2014–2023 (USD  
MILLION)

Table 53 HARMONIC FILTER MARKET IN JAPAN, BY TYPE, 2014–2023 (USD  
MILLION)

Table 54 HARMONIC FILTER MARKET IN JAPAN, BY VOLTAGE LEVEL, 2014–2023  
(USD MILLION)

Table 55 HARMONIC FILTER MARKET IN JAPAN, BY END USER, 2014–2023 (USD  
MILLION)

Table 56 HARMONIC FILTER MARKET IN INDIA, BY TYPE, 2014–2023 (USD  
MILLION)

Table 57 HARMONIC FILTER MARKET IN INDIA, BY VOLTAGE LEVEL, 2014–2023  
(USD MILLION)

Table 58 HARMONIC FILTER MARKET IN INDIA, BY END USER, 2014–2023 (USD  
MILLION)

Table 59 HARMONIC FILTER MARKET IN REST OF APAC, BY TYPE, 2014–2023  
(USD MILLION)

Table 60 HARMONIC FILTER MARKET IN REST OF APAC, BY VOLTAGE LEVEL,  
2014–2023 (USD MILLION)

Table 61 HARMONIC FILTER MARKET IN REST OF APAC, BY END USER,

2014–2023 (USD MILLION)

Table 62 HARMONIC FILTER MARKET IN ROW, BY TYPE, 2014–2023 (USD MILLION)

Table 63 HARMONIC FILTER MARKET IN ROW, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 64 HARMONIC FILTER MARKET IN ROW, BY END USER, 2014–2023 (USD MILLION)

Table 65 HARMONIC FILTER MARKET IN ROW, BY REGION, 2014–2023 (USD MILLION)

Table 66 HARMONIC FILTER MARKET IN MIDDLE EAST, BY TYPE, 2014–2023 (USD MILLION)

Table 67 HARMONIC FILTER MARKET IN MIDDLE EAST, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 68 HARMONIC FILTER MARKET IN MIDDLE EAST, BY END USER, 2014–2023 (USD MILLION)

Table 69 HARMONIC FILTER MARKET IN AFRICA, BY TYPE, 2014–2023 (USD MILLION)

Table 70 HARMONIC FILTER MARKET IN AFRICA, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 71 HARMONIC FILTER MARKET IN AFRICA, BY END USER, 2014–2023 (USD MILLION)

Table 72 HARMONIC FILTER MARKET IN LATIN AMERICA, BY TYPE, 2014–2023 (USD MILLION)

Table 73 HARMONIC FILTER MARKET IN LATIN AMERICA, BY VOLTAGE LEVEL, 2014–2023 (USD MILLION)

Table 74 HARMONIC FILTER MARKET IN LATIN AMERICA, BY END USER, 2014–2023 (USD MILLION)

Table 75 RANKING OF THE TOP 5 PLAYERS IN THE HARMONIC FILTER MARKET, 2016

## List Of Figures

### LIST OF FIGURES

Figure 1 HARMONIC FILTER MARKET SEGMENTATION

Figure 2 HARMONIC FILTER MARKET: RESEARCH DESIGN

Figure 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 5 DATA TRIANGULATION METHODOLOGY

Figure 6 PASSIVE HARMONIC FILTERS EXPECTED TO HOLD THE LARGER SHARE OF THE HARMONIC FILTER MARKET IN 2023

Figure 7 LOW-VOLTAGE HARMONIC FILTERS EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 8 INDUSTRIAL SEGMENT EXPECTED TO HOLD THE LARGEST SHARE OF THE HARMONIC FILTER MARKET DURING THE FORECAST PERIOD

Figure 9 3-PHASE HARMONIC FILTERS EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 10 APAC HELD THE LARGEST SHARE OF THE HARMONIC FILTER MARKET IN 2017

Figure 11 INCREASING DEMAND FOR INDUSTRIAL AND COMMERCIAL APPLICATIONS TO DRIVE THE GROWTH OF THE HARMONIC FILTER MARKET DURING THE FORECAST PERIOD

Figure 12 ACTIVE HARMONIC FILTERS EXPECTED TO WITNESS THE HIGHEST GROWTH RATE (2017–2023)

Figure 13 LOW-VOLTAGE HARMONIC FILTERS HELD THE LARGEST SHARE OF THE HARMONIC FILTER MARKET IN 2017

Figure 14 INDUSTRIALS END-USER EXPECTED TO DOMINATE THE HARMONIC FILTER MARKET DURING 2017–2023

Figure 15 3-PHASE HARMONIC FILTERS EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 16 REST OF APAC HELD THE LARGEST SHARE OF THE HARMONIC FILTER MARKET IN APAC IN 2017

Figure 17 HARMONIC FILTER MARKET: VALUE CHAIN ANALYSIS

Figure 18 HARMONIC FILTER MARKET, BY TYPE

Figure 19 HARMONIC FILTER MARKET FOR ACTIVE HARMONIC FILTER EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 20 HARMONIC FILTER MARKET, BY VOLTAGE LEVEL

Figure 21 HARMONIC FILTER MARKET FOR LOW-VOLTAGE HARMONIC FILTER EXPECTED TO WITNESS THE HIGHEST GROWTH RATE DURING THE FORECAST

**PERIOD**

Figure 22 HARMONIC FILTER MARKET, BY TYPE

Figure 23 MARKET FOR 3-PHASE HARMONIC FILTER EXPECTED TO GROW AT THE HIGHEST RATE BETWEEN 2017 AND 2023

Figure 24 HARMONIC FILTER MARKET, BY REGION

Figure 25 GEOGRAPHIC SNAPSHOT: HARMONIC FILTER MARKET IN APAC EXPECTED TO GROW AT THE HIGHEST RATE BETWEEN 2017 AND 2023

Figure 26 NORTH AMERICA: HARMONIC FILTER MARKET SNAPSHOT

Figure 27 US EXPECTED TO HOLD THE LARGEST SHARE OF THE NORTH AMERICAN HARMONIC FILTER MARKET DURING THE FORECAST PERIOD

Figure 28 EUROPE: HARMONIC FILTER MARKET SNAPSHOT

Figure 29 REST OF EUROPE EXPECTED TO HOLD THE LARGEST SHARE OF THE HARMONIC FILTER MARKET DURING THE FORECAST PERIOD IN EUROPE

Figure 30 APAC: HARMONIC FILTER MARKET SNAPSHOT

Figure 31 HARMONIC FILTER MARKET IN CHINA EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD IN APAC

Figure 32 COMPANIES ADOPTED NEW PRODUCT LAUNCHES AS THE KEY GROWTH STRATEGY

Figure 33 MARKET EVALUATION FRAMEWORK: CONTRACTS, PARTNERSHIPS, AND AGREEMENTS FUELLED GROWTH AND INNOVATION BETWEEN 2014 AND 2016

Figure 34 BATTLE FOR MARKET SHARE: CONTRACTS, PARTNERSHIPS, AND AGREEMENTS WERE THE KEY STRATEGIES ADOPTED BETWEEN 2014 AND 2016

Figure 35 GEOGRAPHIC REVENUE MIX OF MAJOR PLAYERS IN THE HF MARKET, 2016

Figure 36 ABB LTD.: COMPANY SNAPSHOT

Figure 37 SCHNEIDER ELECTRIC SE: COMPANY SNAPSHOT

Figure 38 EATON CORPORATION PLC: COMPANY SNAPSHOT

Figure 39 SCHAFFNER HOLDING AG: COMPANY SNAPSHOT

Figure 40 SIEMENS AG: COMPANY SNAPSHOT

Figure 41 CG POWER AND INDUSTRIAL SOLUTIONS LIMITED: COMPANY SNAPSHOT

Figure 42 TDK CORPORATION: COMPANY SNAPSHOT

Figure 43 LARSEN & TOUBRO LIMITED: COMPANY SNAPSHOT

Figure 44 ARTECHE: COMPANY SNAPSHOT

Figure 45 AVX CORPORATION: COMPANY SNAPSHOT

Figure 46 DANFOSS A/S: COMPANY SNAPSHOT

## I would like to order

Product name: Harmonic Filter Market by Type (Active, and Passive), Voltage Level (Low Voltage Harmonic, Medium Voltage Harmonic, and High Voltage Harmonic), Phase, End User, and Region - Global Forecast to 2023

Product link: <https://marketpublishers.com/r/H7D1BD5724BEN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/H7D1BD5724BEN.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