

United States Metal-Air NGA Battery Market Report 2018

<https://marketpublishers.com/r/UCE612B11DDQEN.html>

Date: March 2018

Pages: 107

Price: US\$ 3,800.00 (Single User License)

ID: UCE612B11DDQEN

Abstracts

In this report, the United States Metal-Air NGA Battery market is valued at USD XX million in 2017 and is expected to reach USD XX million by the end of 2025, growing at a CAGR of XX% between 2017 and 2025.

Geographically, this report splits the United States market into seven regions:

The West

Southwest

The Middle Atlantic

New England

The South

The Midwest

with sales (volume), revenue (value), market share and growth rate of Metal-Air NGA Battery in these regions, from 2013 to 2025 (forecast).

United States Metal-Air NGA Battery market competition by top manufacturers/players, with Metal-Air NGA Battery sales volume, price, revenue (Million USD) and market share for each manufacturer/player; the top players including

OXIS Energy

PATHION

Sion Power

GS Yuasa

Nohm Technologies

PolyPlus

Lockheed Martin

Pellion Technologies

Seeo

Solid Power

Amprius

24M

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

Small-Sized Battery

Large-Sized Battery

On the basis on the end users/applications, this report focuses on the status and outlook for major applications/end users, sales volume, market share and growth rate for each application, including

Transportation

Energy Storage

Consumer Electronic

Other

If you have any special requirements, please let us know and we will offer you the report as you want.

Contents

United States Metal-Air NGA Battery Market Report 2018

1 METAL-AIR NGA BATTERY OVERVIEW

1.1 Product Overview and Scope of Metal-Air NGA Battery

1.2 Classification of Metal-Air NGA Battery by Product Category

1.2.1 United States Metal-Air NGA Battery Market Size (Sales Volume) Comparison by Type (2013-2025)

1.2.2 United States Metal-Air NGA Battery Market Size (Sales Volume) Market Share by Type (Product Category) in 2017

1.2.3 Small-Sized Battery

1.2.4 Large-Sized Battery

1.3 United States Metal-Air NGA Battery Market by Application/End Users

1.3.1 United States Metal-Air NGA Battery Market Size (Consumption) and Market Share Comparison by Application (2013-2025)

1.3.2 Transportation

1.3.3 Energy Storage

1.3.4 Consumer Electronic

1.3.5 Other

1.4 United States Metal-Air NGA Battery Market by Region

1.4.1 United States Metal-Air NGA Battery Market Size (Value) Comparison by Region (2013-2025)

1.4.2 The West Metal-Air NGA Battery Status and Prospect (2013-2025)

1.4.3 Southwest Metal-Air NGA Battery Status and Prospect (2013-2025)

1.4.4 The Middle Atlantic Metal-Air NGA Battery Status and Prospect (2013-2025)

1.4.5 New England Metal-Air NGA Battery Status and Prospect (2013-2025)

1.4.6 The South Metal-Air NGA Battery Status and Prospect (2013-2025)

1.4.7 The Midwest Metal-Air NGA Battery Status and Prospect (2013-2025)

1.5 United States Market Size (Value and Volume) of Metal-Air NGA Battery (2013-2025)

1.5.1 United States Metal-Air NGA Battery Sales and Growth Rate (2013-2025)

1.5.2 United States Metal-Air NGA Battery Revenue and Growth Rate (2013-2025)

2 UNITED STATES METAL-AIR NGA BATTERY MARKET COMPETITION BY PLAYERS/SUPPLIERS

2.1 United States Metal-Air NGA Battery Sales and Market Share of Key

Players/Suppliers (2013-2018)

2.2 United States Metal-Air NGA Battery Revenue and Share by Players/Suppliers (2013-2018)

2.3 United States Metal-Air NGA Battery Average Price by Players/Suppliers (2013-2018)

2.4 United States Metal-Air NGA Battery Market Competitive Situation and Trends

2.4.1 United States Metal-Air NGA Battery Market Concentration Rate

2.4.2 United States Metal-Air NGA Battery Market Share of Top 3 and Top 5 Players/Suppliers

2.4.3 Mergers & Acquisitions, Expansion in United States Market

2.5 United States Players/Suppliers Metal-Air NGA Battery Manufacturing Base Distribution, Sales Area, Product Type

3 UNITED STATES METAL-AIR NGA BATTERY SALES (VOLUME) AND REVENUE (VALUE) BY REGION (2013-2018)

3.1 United States Metal-Air NGA Battery Sales and Market Share by Region (2013-2018)

3.2 United States Metal-Air NGA Battery Revenue and Market Share by Region (2013-2018)

3.3 United States Metal-Air NGA Battery Price by Region (2013-2018)

4 UNITED STATES METAL-AIR NGA BATTERY SALES (VOLUME) AND REVENUE (VALUE) BY TYPE (PRODUCT CATEGORY) (2013-2018)

4.1 United States Metal-Air NGA Battery Sales and Market Share by Type (Product Category) (2013-2018)

4.2 United States Metal-Air NGA Battery Revenue and Market Share by Type (2013-2018)

4.3 United States Metal-Air NGA Battery Price by Type (2013-2018)

4.4 United States Metal-Air NGA Battery Sales Growth Rate by Type (2013-2018)

5 UNITED STATES METAL-AIR NGA BATTERY SALES (VOLUME) BY APPLICATION (2013-2018)

5.1 United States Metal-Air NGA Battery Sales and Market Share by Application (2013-2018)

5.2 United States Metal-Air NGA Battery Sales Growth Rate by Application (2013-2018)

5.3 Market Drivers and Opportunities

6 UNITED STATES METAL-AIR NGA BATTERY PLAYERS/SUPPLIERS PROFILES AND SALES DATA

6.1 OXIS Energy

6.1.1 Company Basic Information, Manufacturing Base and Competitors

6.1.2 Metal-Air NGA Battery Product Category, Application and Specification

6.1.2.1 Product A

6.1.2.2 Product B

6.1.3 OXIS Energy Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)

6.1.4 Main Business/Business Overview

6.2 PATHION

6.2.2 Metal-Air NGA Battery Product Category, Application and Specification

6.2.2.1 Product A

6.2.2.2 Product B

6.2.3 PATHION Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)

6.2.4 Main Business/Business Overview

6.3 Sion Power

6.3.2 Metal-Air NGA Battery Product Category, Application and Specification

6.3.2.1 Product A

6.3.2.2 Product B

6.3.3 Sion Power Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)

6.3.4 Main Business/Business Overview

6.4 GS Yuasa

6.4.2 Metal-Air NGA Battery Product Category, Application and Specification

6.4.2.1 Product A

6.4.2.2 Product B

6.4.3 GS Yuasa Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)

6.4.4 Main Business/Business Overview

6.5 Nohm Technologies

6.5.2 Metal-Air NGA Battery Product Category, Application and Specification

6.5.2.1 Product A

6.5.2.2 Product B

6.5.3 Nohm Technologies Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)

- 6.5.4 Main Business/Business Overview
- 6.6 PolyPlus
 - 6.6.2 Metal-Air NGA Battery Product Category, Application and Specification
 - 6.6.2.1 Product A
 - 6.6.2.2 Product B
 - 6.6.3 PolyPlus Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)
 - 6.6.4 Main Business/Business Overview
- 6.7 Lockheed Martin
 - 6.7.2 Metal-Air NGA Battery Product Category, Application and Specification
 - 6.7.2.1 Product A
 - 6.7.2.2 Product B
 - 6.7.3 Lockheed Martin Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)
 - 6.7.4 Main Business/Business Overview
- 6.8 Pellion Technologies
 - 6.8.2 Metal-Air NGA Battery Product Category, Application and Specification
 - 6.8.2.1 Product A
 - 6.8.2.2 Product B
 - 6.8.3 Pellion Technologies Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)
 - 6.8.4 Main Business/Business Overview
- 6.9 Seeo
 - 6.9.2 Metal-Air NGA Battery Product Category, Application and Specification
 - 6.9.2.1 Product A
 - 6.9.2.2 Product B
 - 6.9.3 Seeo Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)
 - 6.9.4 Main Business/Business Overview
- 6.10 Solid Power
 - 6.10.2 Metal-Air NGA Battery Product Category, Application and Specification
 - 6.10.2.1 Product A
 - 6.10.2.2 Product B
 - 6.10.3 Solid Power Metal-Air NGA Battery Sales, Revenue, Price and Gross Margin (2013-2018)
 - 6.10.4 Main Business/Business Overview
- 6.11 Amprius
- 6.12 24M

7 METAL-AIR NGA BATTERY MANUFACTURING COST ANALYSIS

7.1 Metal-Air NGA Battery Key Raw Materials Analysis

7.1.1 Key Raw Materials

7.1.2 Price Trend of Key Raw Materials

7.1.3 Key Suppliers of Raw Materials

7.1.4 Market Concentration Rate of Raw Materials

7.2 Proportion of Manufacturing Cost Structure

7.2.1 Raw Materials

7.2.2 Labor Cost

7.2.3 Manufacturing Expenses

7.3 Manufacturing Process Analysis of Metal-Air NGA Battery

8 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

8.1 Metal-Air NGA Battery Industrial Chain Analysis

8.2 Upstream Raw Materials Sourcing

8.3 Raw Materials Sources of Metal-Air NGA Battery Major Manufacturers in 2017

8.4 Downstream Buyers

9 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

9.1 Marketing Channel

9.1.1 Direct Marketing

9.1.2 Indirect Marketing

9.1.3 Marketing Channel Development Trend

9.2 Market Positioning

9.2.1 Pricing Strategy

9.2.2 Brand Strategy

9.2.3 Target Client

9.3 Distributors/Traders List

10 MARKET EFFECT FACTORS ANALYSIS

10.1 Technology Progress/Risk

10.1.1 Substitutes Threat

10.1.2 Technology Progress in Related Industry

10.2 Consumer Needs/Customer Preference Change

10.3 Economic/Political Environmental Change

11 UNITED STATES METAL-AIR NGA BATTERY MARKET SIZE (VALUE AND VOLUME) FORECAST (2018-2025)

11.1 United States Metal-Air NGA Battery Sales Volume, Revenue Forecast (2018-2025)

11.2 United States Metal-Air NGA Battery Sales Volume Forecast by Type (2018-2025)

11.3 United States Metal-Air NGA Battery Sales Volume Forecast by Application (2018-2025)

11.4 United States Metal-Air NGA Battery Sales Volume Forecast by Region (2018-2025)

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

13.1 Methodology/Research Approach

13.1.1 Research Programs/Design

13.1.2 Market Size Estimation

13.1.3 Market Breakdown and Data Triangulation

13.2 Data Source

13.2.1 Secondary Sources

13.2.2 Primary Sources

13.3 Disclaimer

The report requires updating with new data and is sent in 2-3 business days after order is placed.

List Of Tables

LIST OF TABLES AND FIGURES

Figure Product Picture of Metal-Air NGA Battery

Figure United States Metal-Air NGA Battery Market Size (MW) by Type (2013-2025)

Figure United States Metal-Air NGA Battery Sales Volume Market Share by Type (Product Category) in 2017

Figure Small-Sized Battery Product Picture

Figure Large-Sized Battery Product Picture

Figure United States Metal-Air NGA Battery Market Size (MW) by Application (2013-2025)

Figure United States Sales Market Share of Metal-Air NGA Battery by Application in 2017

Figure Transportation Examples

Table Key Downstream Customer in Transportation

Figure Energy Storage Examples

Table Key Downstream Customer in Energy Storage

Figure Consumer Electronic Examples

Table Key Downstream Customer in Consumer Electronic

Figure Other Examples

Table Key Downstream Customer in Other

Figure United States Metal-Air NGA Battery Market Size (Million USD) by Region (2013-2025)

Figure The West Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure Southwest Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure The Middle Atlantic Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure New England Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure The South of US Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure The Midwest Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure United States Metal-Air NGA Battery Sales (MW) and Growth Rate (2013-2025)

Figure United States Metal-Air NGA Battery Revenue (Million USD) and Growth Rate (2013-2025)

Figure United States Metal-Air NGA Battery Market Major Players Product Sales Volume (MW) (2013-2018)

Table United States Metal-Air NGA Battery Sales (MW) of Key Players/Suppliers (2013-2018)

Table United States Metal-Air NGA Battery Sales Share by Players/Suppliers (2013-2018)

Figure 2017 United States Metal-Air NGA Battery Sales Share by Players/Suppliers

Figure 2017 United States Metal-Air NGA Battery Sales Share by Players/Suppliers

Figure United States Metal-Air NGA Battery Market Major Players Product Revenue (Million USD) (2013-2018)

Table United States Metal-Air NGA Battery Revenue (Million USD) by Players/Suppliers (2013-2018)

Table United States Metal-Air NGA Battery Revenue Share by Players/Suppliers (2013-2018)

Figure 2017 United States Metal-Air NGA Battery Revenue Share by Players/Suppliers

Figure 2017 United States Metal-Air NGA Battery Revenue Share by Players/Suppliers

Table United States Market Metal-Air NGA Battery Average Price (USD/KW) of Key Players/Suppliers (2013-2018)

Figure United States Market Metal-Air NGA Battery Average Price (USD/KW) of Key Players/Suppliers in 2017

Figure United States Metal-Air NGA Battery Market Share of Top 3 Players/Suppliers

Figure United States Metal-Air NGA Battery Market Share of Top 5 Players/Suppliers

Table United States Players/Suppliers Metal-Air NGA Battery Manufacturing Base Distribution and Sales Area

Table United States Players/Suppliers Metal-Air NGA Battery Product Category

Table United States Metal-Air NGA Battery Sales (MW) by Region (2013-2018)

Table United States Metal-Air NGA Battery Sales Share by Region (2013-2018)

Figure United States Metal-Air NGA Battery Sales Share by Region (2013-2018)

Figure United States Metal-Air NGA Battery Sales Market Share by Region in 2017

Table United States Metal-Air NGA Battery Revenue (Million USD) and Market Share by Region (2013-2018)

Table United States Metal-Air NGA Battery Revenue Share by Region (2013-2018)

Figure United States Metal-Air NGA Battery Revenue Market Share by Region (2013-2018)

Figure United States Metal-Air NGA Battery Revenue Market Share by Region in 2017

Table United States Metal-Air NGA Battery Price (USD/KW) by Region (2013-2018)

Table United States Metal-Air NGA Battery Sales (MW) by Type (2013-2018)

Table United States Metal-Air NGA Battery Sales Share by Type (2013-2018)

Figure United States Metal-Air NGA Battery Sales Share by Type (2013-2018)

Figure United States Metal-Air NGA Battery Sales Market Share by Type in 2017
Table United States Metal-Air NGA Battery Revenue (Million USD) and Market Share by Type (2013-2018)
Table United States Metal-Air NGA Battery Revenue Share by Type (2013-2018)
Figure Revenue Market Share of Metal-Air NGA Battery by Type (2013-2018)
Figure Revenue Market Share of Metal-Air NGA Battery by Type in 2017
Table United States Metal-Air NGA Battery Price (USD/KW) by Types (2013-2018)
Figure United States Metal-Air NGA Battery Sales Growth Rate by Type (2013-2018)
Table United States Metal-Air NGA Battery Sales (MW) by Application (2013-2018)
Table United States Metal-Air NGA Battery Sales Market Share by Application (2013-2018)
Figure United States Metal-Air NGA Battery Sales Market Share by Application (2013-2018)
Figure United States Metal-Air NGA Battery Sales Market Share by Application in 2017
Table United States Metal-Air NGA Battery Sales Growth Rate by Application (2013-2018)
Figure United States Metal-Air NGA Battery Sales Growth Rate by Application (2013-2018)
Table OXIS Energy Basic Information List
Table OXIS Energy Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)
Figure OXIS Energy Metal-Air NGA Battery Sales Growth Rate (2013-2018)
Figure OXIS Energy Metal-Air NGA Battery Sales Market Share in United States (2013-2018)
Figure OXIS Energy Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)
Table PATHION Basic Information List
Table PATHION Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)
Figure PATHION Metal-Air NGA Battery Sales Growth Rate (2013-2018)
Figure PATHION Metal-Air NGA Battery Sales Market Share in United States (2013-2018)
Figure PATHION Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)
Table Sion Power Basic Information List
Table Sion Power Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)
Figure Sion Power Metal-Air NGA Battery Sales Growth Rate (2013-2018)
Figure Sion Power Metal-Air NGA Battery Sales Market Share in United States

(2013-2018)

Figure Sion Power Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table GS Yuasa Basic Information List

Table GS Yuasa Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure GS Yuasa Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure GS Yuasa Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure GS Yuasa Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table Nohm Technologies Basic Information List

Table Nohm Technologies Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure Nohm Technologies Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure Nohm Technologies Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure Nohm Technologies Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table PolyPlus Basic Information List

Table PolyPlus Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure PolyPlus Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure PolyPlus Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure PolyPlus Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table Lockheed Martin Basic Information List

Table Lockheed Martin Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure Lockheed Martin Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure Lockheed Martin Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure Lockheed Martin Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table Pellion Technologies Basic Information List

Table Pellion Technologies Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure Pellion Technologies Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure Pellion Technologies Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure Pellion Technologies Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table Seeo Basic Information List

Table Seeo Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure Seeo Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure Seeo Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure Seeo Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table Solid Power Basic Information List

Table Solid Power Metal-Air NGA Battery Sales (MW), Revenue (Million USD), Price (USD/KW) and Gross Margin (2013-2018)

Figure Solid Power Metal-Air NGA Battery Sales Growth Rate (2013-2018)

Figure Solid Power Metal-Air NGA Battery Sales Market Share in United States (2013-2018)

Figure Solid Power Metal-Air NGA Battery Revenue Market Share in United States (2013-2018)

Table Amprius Basic Information List

Table 24M Basic Information List

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Metal-Air NGA Battery

Figure Manufacturing Process Analysis of Metal-Air NGA Battery

Figure Metal-Air NGA Battery Industrial Chain Analysis

Table Raw Materials Sources of Metal-Air NGA Battery Major Players/Suppliers in 2017

Table Major Buyers of Metal-Air NGA Battery

Table Distributors/Traders List

Figure United States Metal-Air NGA Battery Sales Volume (MW) and Growth Rate Forecast (2018-2025)

Figure United States Metal-Air NGA Battery Revenue (Million USD) and Growth Rate Forecast (2018-2025)

Figure United States Metal-Air NGA Battery Price (USD/KW) Trend Forecast (2018-2025)

Table United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Type (2018-2025)

Figure United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Type

(2018-2025)

Figure United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Type in 2025

Table United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Application (2018-2025)

Figure United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Application (2018-2025)

Figure United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Application in 2025

Table United States Metal-Air NGA Battery Sales Volume (MW) Forecast by Region (2018-2025)

Table United States Metal-Air NGA Battery Sales Volume Share Forecast by Region (2018-2025)

Figure United States Metal-Air NGA Battery Sales Volume Share Forecast by Region (2018-2025)

Figure United States Metal-Air NGA Battery Sales Volume Share Forecast by Region in 2025

Table Research Programs/Design for This Report

Figure Bottom-up and Top-down Approaches for This Report

Figure Data Triangulation

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources

I would like to order

Product name: United States Metal-Air NGA Battery Market Report 2018

Product link: <https://marketpublishers.com/r/UCE612B11DDQEN.html>

Price: US\$ 3,800.00 (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/UCE612B11DDQEN.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