

# Global Off-grid Power Systems for Remote Sensing Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

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## Abstracts

Off-grid power systems help to function without the support of electrical grid. These systems are standalone power systems typically used for power isolated areas, where electrical grid infrastructure is unavailable. They find application in various remote sensing systems, such as light detection & ranging (LIDAR) systems, sonic detection & ranging (SODAR), and supervisory control & data acquisition (SCADA) systems in oil & gas, wind, weather monitoring stations, transportation, and other industries. Battery backup, fuel cell, and solar power are the various technologies used in off-grid power systems. Battery backup is anticipated to be the largest segment of the global off-grid power systems for remote sensing whereas, fuel cell and solar powered off-grid power systems are gaining popularity owing to their eco-friendly nature and supportive government policies. The global off-grid power systems for remote sensing market is expected to grow at a CAGR of 6.9% from 2017 to 2025.

The global off-grid power systems for remote sensing market is segmented based on technology, application, end-use industry, and geography. Based on technology, the market is divided into battery backup, fuel cell, and solar power. Based on application, it is categorized into light detection & ranging (LIDAR) systems, sonic detection & ranging (SODAR), supervisory control & data acquisition (SCADA) systems, and others. By the end-use industry, the market is segmented into oil & gas, wind energy, weather monitoring stations, and others. Geographic breakdown and deep analysis of each of the aforesaid segments have led to the following regions: North America, Europe, Asia-Pacific, and LAMEA.

## MARKET DYNAMICS:

**Drivers:**

Increase in investments in offshore wind energy plants

Need for improved infrastructure in oil & gas industry

**Restraints:**

Deferred investments in projects

**MARKET PLAYERS:**

The top players in the global solar energy market include Acumentrics Holding Corporation, Energy Solutions (UK) Ltd., Ensol Systems Inc., Evergreen Energy Technologies Inc., Hess Corporation (HES), SFC Energy AG, Timber Line Electric and Control Corporation, Tycon Systems Inc., UPS Systems Plc., and Victron Energy B.V.

**KEY TAKEAWAYS****MARKET LANDSCAPE****By Technology**

Battery Backup

Fuel Cell

Solar Power

Others

**By Application**

Light Detection & Ranging (LIDAR) Systems

Sonic Detection & Ranging (SODAR) Systems

Supervisory Control & Data Acquisition (SCADA) Systems

Others

By End-use Industry

Oil & Gas

Wind Energy

Weather Monitoring Stations

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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