

---

# "PV Market in Japan 2018"

## – Current Status and Future Prospects –

(Published in September 2018)

This report provides a comprehensive analysis of the PV market in Japan, one of the key PV markets in the world with outstanding opportunities for PV players thanks to the generous government incentives and the nation's high motivation for renewable energy after the Great East Japan Earthquake in 2011 and the Fukushima nuclear disasters. Details of **Japan's Feed-in Tariff (FIT) program** featured by the **revision of the FIT Act** and **statistics of approved & installed projects under FIT**, will help you better understand the Japanese PV market. The report covers **support programs for the PV systems** with an overview of **PV-related regulations, standards, codes and certification**. **Outlook of PV market in Japan** provides an overview of introduction potential. **Corporate profiles** of PV manufacturers and inverter manufacturers are covered. In addition, PV players including developers, EPCs and financial institutions are listed in tables. RTS is pleased to help you enter and increase the presence in the Japanese PV market with this all-inclusive report.

As an **OPTION**, RTS offers a **list of MW-scale PV projects** commissioned and in the pipeline in Japan. Since the FIT program started in Japan on July 1, 2012, development of MW-scale PV projects sharply increased. The list provides you with details of over 2,700 MW-scale PV projects conducted by a variety of operators as of the end of September 2018. The list will be **updated 3 times in December 2018, March and June 2019** and be provided to purchasers of this report.

To order, please fill out the order form on the reverse side and send via facsimile to +81-3-3553-8954 or e-mail to [order@rts-pv.com](mailto:order@rts-pv.com).

---

### Format: Printed Copy + PDF (CD-ROM)

### Table of Contents

#### 1 Executive Summary: Overview of the Japanese PV Market

- Status of the Japanese Market in 2017
- Status of PV Module Shipments in Japan
- PV Dissemination Measures in Japan

#### 2 Feed-in Tariff (FIT) Program for Renewable Energy in Japan

- Overview of the Feed-in Tariff (FIT) Program in Japan
- Feed-in Tariffs (FITs)
- Surcharge for the FIT Program
- Revision of the FIT Program under the Revised FIT Act
- Statistics of Approved & Installed PV Projects under the FIT Program
- Large-scale PV Systems in Japan

#### 3 Outlook of the Japanese PV Market

- RTS Outlook on the Japanese PV Market
- Long-term Energy Supply-demand Outlook by METI
- Possible Installation Capacity and Potential of PV Introduction by MoE
- Feasibility of RE Introduction for 2050 by MoE
- Outlook by NEDO
- JPEA PV Outlook
- Outlook of the Energy Mix and Power Generation Volume by OCCTO

#### 4 Current Topics

- Japan's National Policy on PV Power Generation
- Efforts by the METI, MoE, MAFF, MOFA
- Discussions at the Working Group on Grid Connection of RE
- Interim Review of the Subcommittee for Large-volume Introduction of Renewable Energy and Next Generation Electricity Network
- Result of the First Tender in FY 2017
- PV Power Generation in the FY 2018 Power Supply Plan by Electric Utilities
- Calculation of Possible Grid Connection Capacity and Outlook of Output Curtailment in Each Electricity Supply Area
- The First Auction of Non-Fossil Value Trading Market
- Proposal for Development of PV Industry (PV 150) by RTS Corporation
- Suggestions Related to the Energy Strategy for 2050 by the Round Table for Studying Energy Situations
- PV Module Shipments in 2017
- Trends of Storage Batteries for PV Systems
- List of FY 2018 Budget to Support Self-Consumption and Storage by the Ministries
- Measures Related to Dissemination of ZEH for FY 2018

#### 5 Overview of Programs for Introduction of PV systems

- Overview of Support Programs by the National Government
- Overview of Support Programs by Local Governments
- Overview of Tax Credit
- FY 2018 Budget for PV

#### 6 Installed Capacity of PV Systems in Japan

- Cumulative and Annual Installed Capacity of PV Systems
- Trends of Market Segment in Japan

#### 7 Price of PV Systems

- Price of Residential PV Systems
- Price of PV Systems for Public and Industrial Applications

#### 8 PV Industry in Japan

- PV Cell/ Module Production by Manufacturer
- PV Module Shipment by JPEA Data
- PV Production and Shipment Statistics in Japan by METI Data
- Trends of Production Capacity and Overseas Deployment by Major PV Manufacturers in Japan
- Shipments of PV Inverters in Japan

#### 9 Overview of Japanese PV Players

- Structure of the PV Industry and Major PV Players in Japan
- Lists of PV Players in Japan by Sector
- Solar Cell/ PV Module, Inverter Manufacturers
- New Financing Model in the PV Market in Japan
- New PV Applications
- Secondary Market and Replacement Market of PV Power Plants
- Refurbishment and Repowering of PV Power Plants

#### 10 Overview of the Codes and Standards Related to PV in Japan

- Codes and Standards related to PV in Japan
- JET Certification of PV Modules, Inverters and O&M
- Related Regulations, Standards, Codes, Certification and Organizations

#### 11 PV Activities in Japan in 2017

##### Appendix

- 1: Irradiation Map of Japan: Annual Irradiation for Optimal Tilted Angle
- 2: Output of PV System by Prefecture (Map)
- 3: Basic Information of Japan
- 4: PV Systems in Japan (Photo Gallery)
- 5: PV Activities in Japan in 2017/ 2018 by Sector (PDF only)

---

**RTS Corporation** is a Japanese consultancy exclusively engaged in PV power generation. Our research and investigation capabilities contribute to METI, NEDO, AIST, JPEA, leading PV manufacturers, inverter and other balance of system (BOS) suppliers, PV project developers, EPCs, financial institutions, major electric utilities, polysilicon and other material manufacturers, manufacturing equipment companies and a wide range of PV players in Japan and overseas. Our monthly report "PV Activities in Japan and Global PV Highlights" has been acquiring an international reputation.



---

### RTS Corporation

Qus Hatchobori Daiichi Bldg. 4F, 3-19-2, Hatchobori, Chuo-ku, Tokyo 104-0032, Japan  
TEL: +81-3-3551-6345 FAX: +81-3-3553-8954 e-mail: [order@rts-pv.com](mailto:order@rts-pv.com) URL: [www.rts-pv.com](http://www.rts-pv.com)

