

RTS annual report

“Forecasting PV Installed Capacity in Japan toward FY 2030/2050” (2020 - 2021 Edition)

(Published in December 2020)

We, RTS Corporation, made a forecast on PV installed capacity in Japan toward FY 2030/2050 aiming to make renewable energy a mainstream power source, after overcoming the COVID-19 pandemic.

The Japanese PV market, which has grown significantly with the support of the FIT program and aims to expand further with new business models in the post-FIT era, is expected to grow to the size of 8-13 GW/year (cumulative 133-165 GW) by FY 2030, from 7.7 GW/year (cumulative 65 GW) in FY 2019.

In this report, RTS forecast PV installed capacity by fiscal year based on the system size, application and area taking into account of the social backgrounds and the cost reduction, etc. toward FY 2030/2050. The future value of the market and the energy mix are also presented based on the new business models such as the third-party ownership model (TPO) and power purchase agreement (PPA), etc., dissemination of storage systems and electric vehicles (EVs), BIPV and other new applications as well as the installation trends under the FIT program.

We highly recommend this report as fundamental materials for business planning and collaboration by businesses engaged in the manufacturing and sale of PV systems, manufacturers of inverter, mounting structure, measurement/ monitoring/ power conversion equipment, peripheral component and EPC, as well as businesses that install PV systems. This report also serves as a guidebook for all the stakeholders engaged in the PV business to promote business, including energy companies, financial institutions, insurance companies, O&M service providers, mass media and policy makers, covering both the service and support sectors.

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Overview	
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