## Outline of Mitsubishi Electric PV Business

1974 Started research & development of PV technology.

1976 Established space satellite business.

1981 Commenced joint research of industrial-use photovoltaic inverter with New Energy and Industrial Technology Development Organization (NEDO) and electric power companies.

1982 Commenced shipments of industrial-use photovoltaic inverters.

1985 Delivered 1000kW Central photovoltaic inverters (Saijo City, Ehime Prefecture)
(Delivery included one 200kW inverter, two 400kW inverters)

1987 Commenced research on residential-use photovoltaic inverters.

1993 Delivered 750kW system (one of the largest of its in Japan) to Miyako Island, Okinawa Prefecture.

1996 Started residential system business at Nakatsugawa-works.
Commenced production and sales of residential-use photovoltaic inverters.

1997 Awarded New Energy Vanguard 21 prize for residential-use photovoltaic inverters.

1998 Established a PV plant and started production of PV cells and modules at Iida Works.

1999 Awarded Good Design Award for roof-integrated modules.

2000 Commenced sales of industrial-use photovoltaic inverter unit (10kW).

2001 Expanded production capacity of solar cells to 25MW
Awarded the 6th New Energy Award by residential system for hip roofs.

2002 Commenced sales of residential outdoor-use photovoltaic inverters and booster units.

2003 Expanded production capacity of solar cells to 35MW (January).
Established a PV plant (Kyoto factory), and started production of PV modules.
Started production of "Lead-Free Solder" PV modules.
Expanded production capacity of solar cells to 50MW (September).

2004 Expanded production capacity of solar cells to 90MW (July).
Commenced sales of residential small-capacity and outdoor-use photovoltaic inverters.

2005 Expanded production capacity of solar cells to 135MW (April).
Commenced sales of industrial-use photovoltaic inverters with operation data monitoring system.
Established residential-use inverter assembly plant at Nagano factory.

2006 Commenced sales of residential-use photovoltaic inverters with 95.5% efficiency, the highest in the industry.
Commenced sales of photovoltaic inverters in European market.
Commenced production of a new size of PV cells (156 × 156mm)

2008 Achieved the world record for polycrystalline cell efficiency of 18.6%.

2010 Achieved another world record for polycrystalline cell efficiency at 19.3% (Measured by the National Institute of Advanced Industrial Science and Technology).