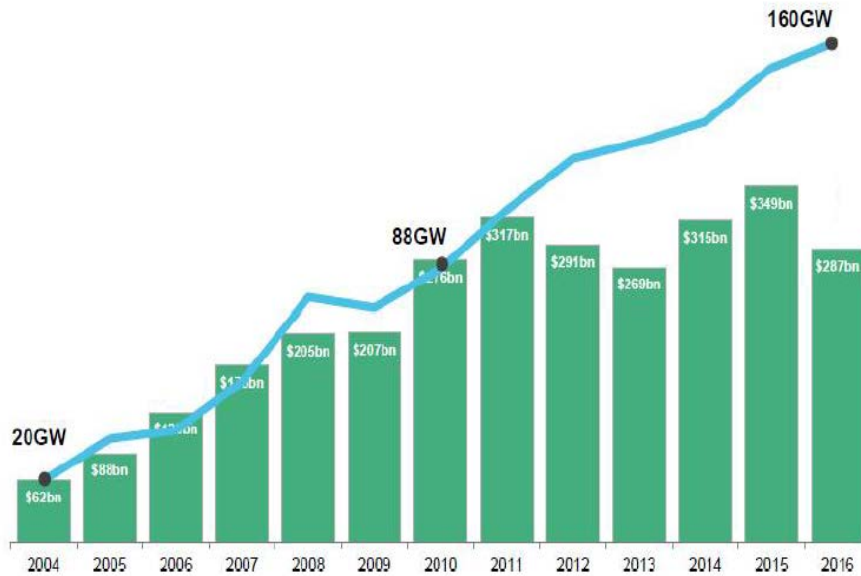


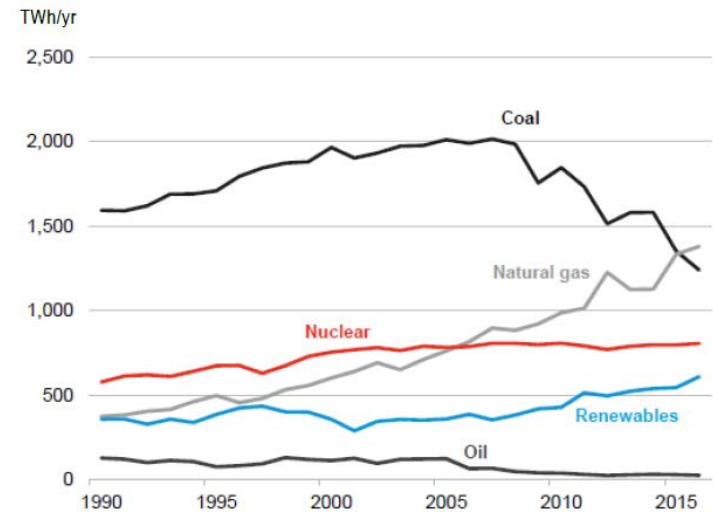
Global Renewable Energy Installation Is Increasing

More Wind and Solar Globally for Less Dollars in 2016



Source: BNEF

US Power Generation by Source

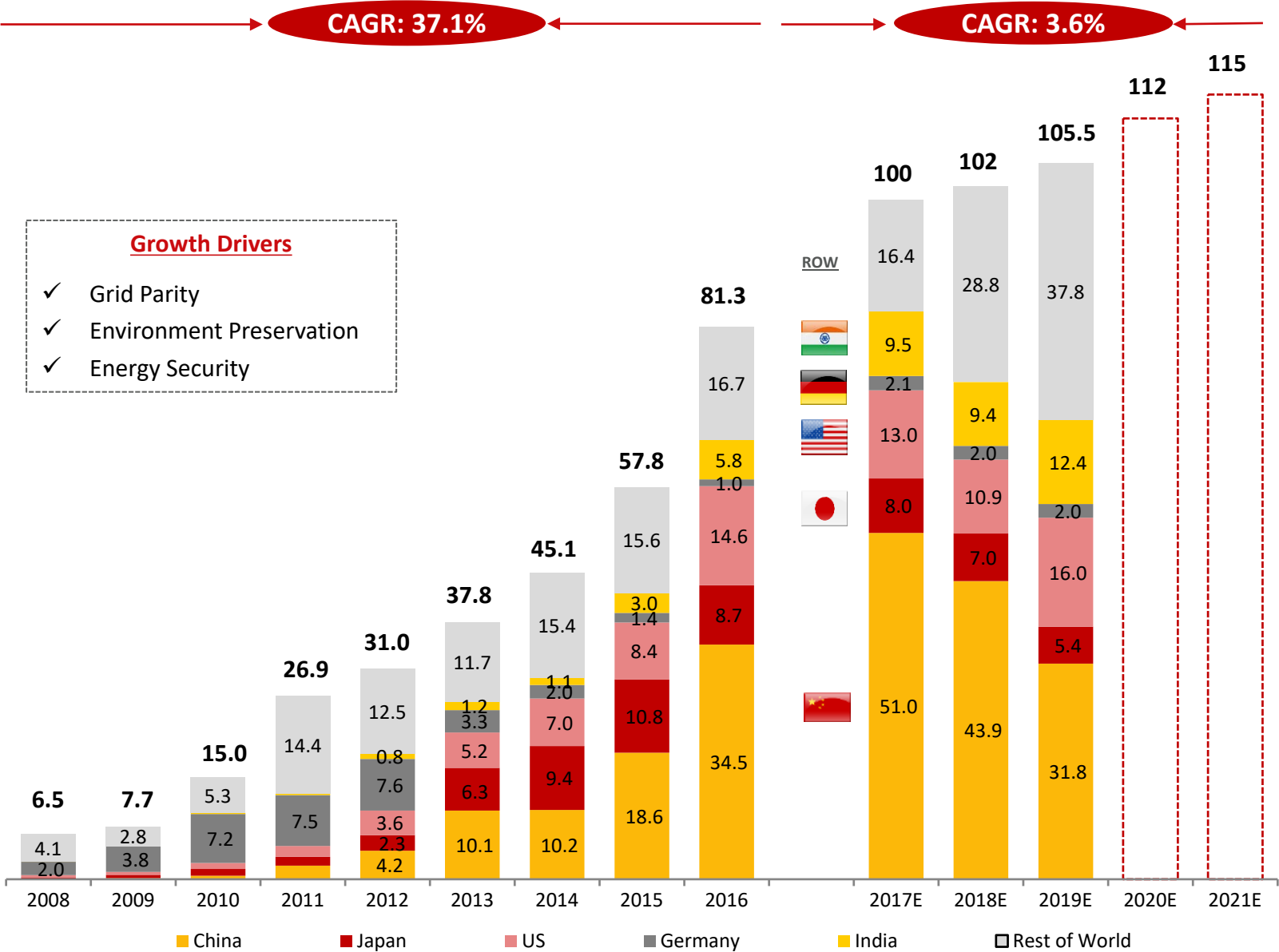


Source: BNEF

“Global investment in renewables (excluding large hydro) fell 17% to \$287 billion in 2016, though installations rose 9% to 160GW, underscoring the “more-for-less” benefit of falling cost/watt.”

-- J.P. Morgan Analyst Research Report

2017 Global Annual PV Installation Exceeded to 100 GW

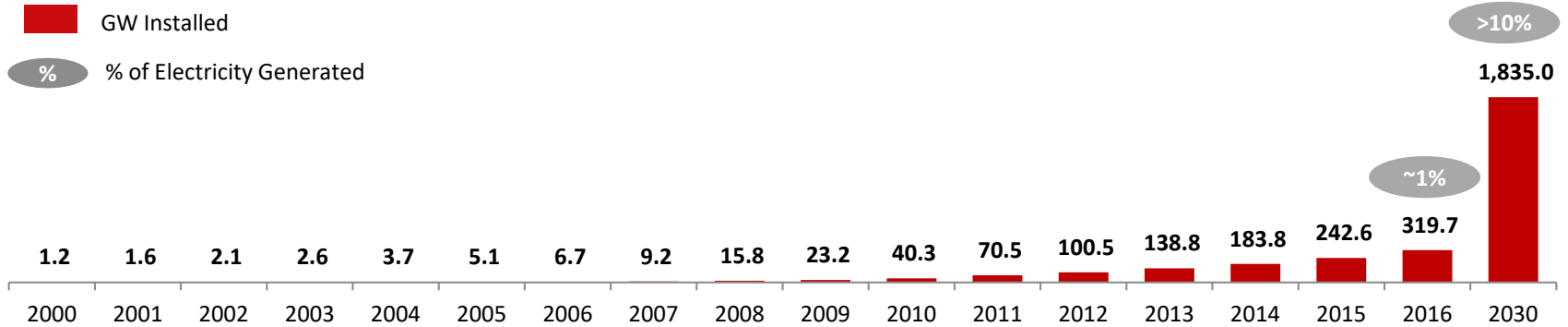


Source: Global PV module demand assumptions from IHS, analyst research reports

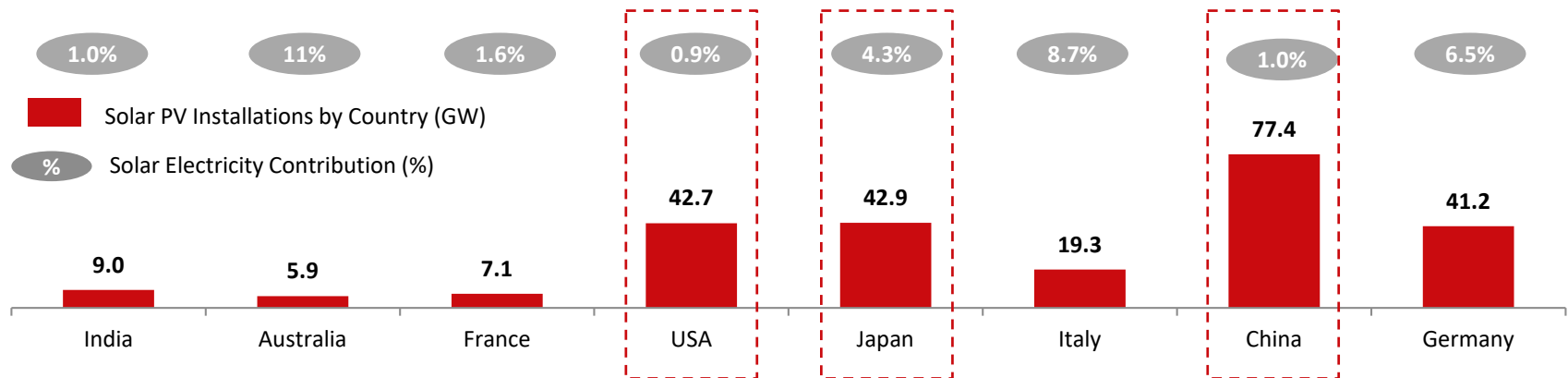
We Are still at the Very Early Stages of Solar Adoption

Solar energy will grow from ~1% of global electricity generation today to >10% by 2030

Global Cumulative Solar PV Installations (GW)



Canadian Solar's key markets such as U.S., Japan and China are significantly under-penetrated



Source: EPIA, IHS, EIA, Canadian Solar Analysis; Cumulative Installations as of the year 2016.

Solar PV installed capacity is forecast to grow to over 1,835 GW in 2030.

Company Overview

- 🌟 Founded in Ontario, 2001
- 🌟 Listed on NASDAQ (CSIQ) in 2006
- 🌟 Over 11,000 employees globally
- 🌟 Presence in 18 countries / territories
- 🌟 > 24 GW of solar modules shipped cumulatively
- 🌟 > 3.2 GWp solar power plants built and connected (incl. Recurrent)
- 🌟 No. 1 Solar Company 2016 according to IHS

Highlights

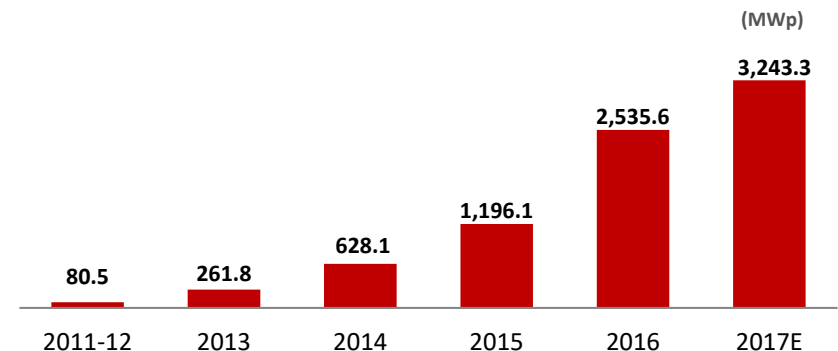
- 🌟 Q3 2017 Revenue: **\$912.2 million**
- 🌟 Q3 2017 Shipment: **1.87 GW**
- 🌟 Q4 2017 Shipment Guidance: **1.65 GW to 1.75 GW**
- 🌟 Q4 2017 Revenue Guidance: **\$1.77 billion to \$1.81 billion**
- 🌟 2017 Shipment Guidance: **6.7 GW – 6.8 GW**
- 🌟 2017 Revenue Guidance: **\$4.05 billion to \$4.09 billion**

Source: Company information as of November 9, 2017.

Global Footprint and Brand



Solar Power Plants Built and Connected



Energy Business: Globally Diversified Project Pipeline

Priority Markets for Utility-scale Project Development

12 GWp

Total project development pipeline

10.4 GWp

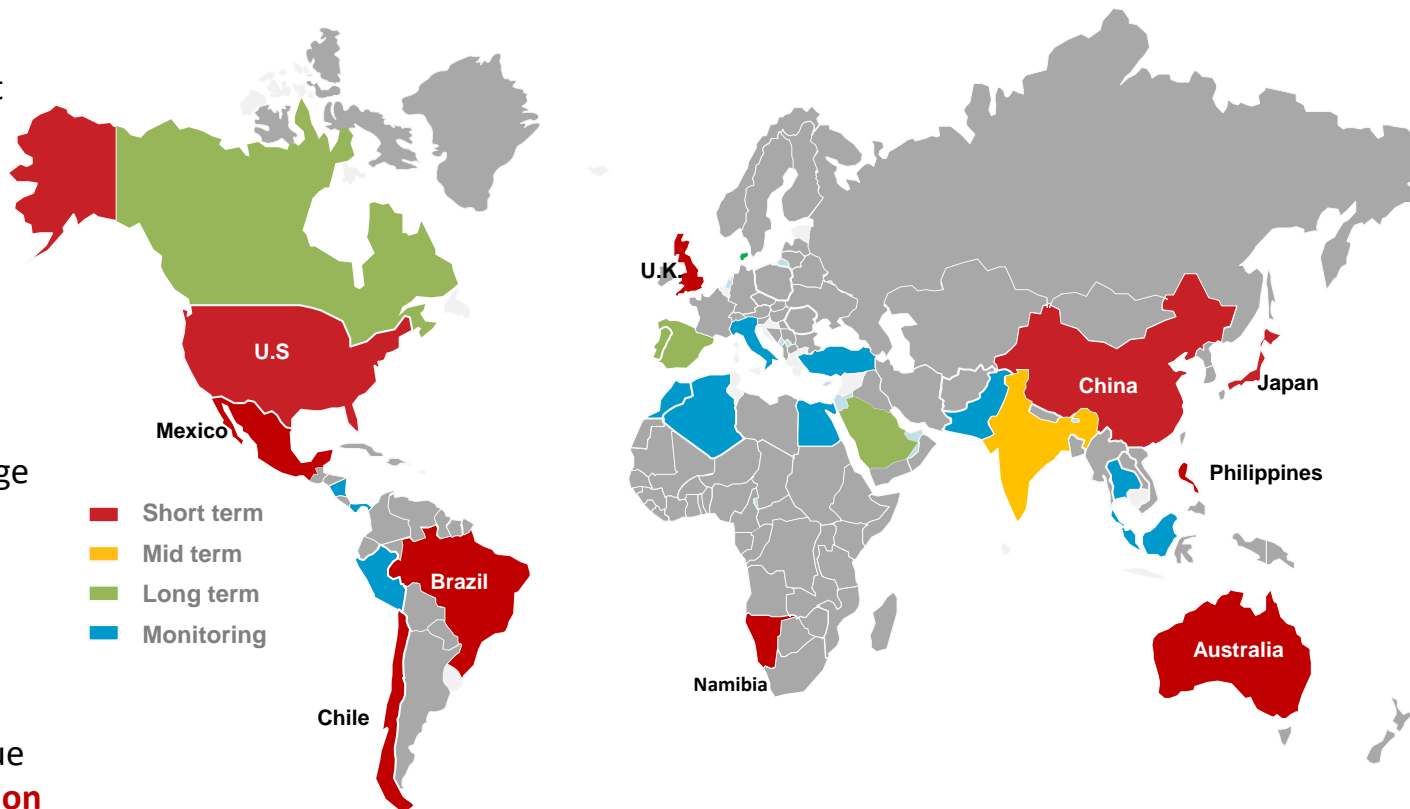
Early to mid-stage development pipeline ⁽²⁾

~1.6 GWp

Total contracted / late-stage project pipeline ⁽¹⁾

~1,420 MWp

Solar power plants owned and operated, with an estimated total resale value of approximately **\$2.0 billion**



Late-stage, utility-scale solar project pipeline (MWp)									
<u>China</u>	<u>Japan</u>	<u>Brazil</u>	<u>U.S.</u>	<u>Australia</u>	<u>Mexico</u>	<u>Chile</u>	<u>Philippines</u>	<u>Africa</u>	<u>U.K.</u>
416	344.5	326.4	238	117	68	41	22	18	8

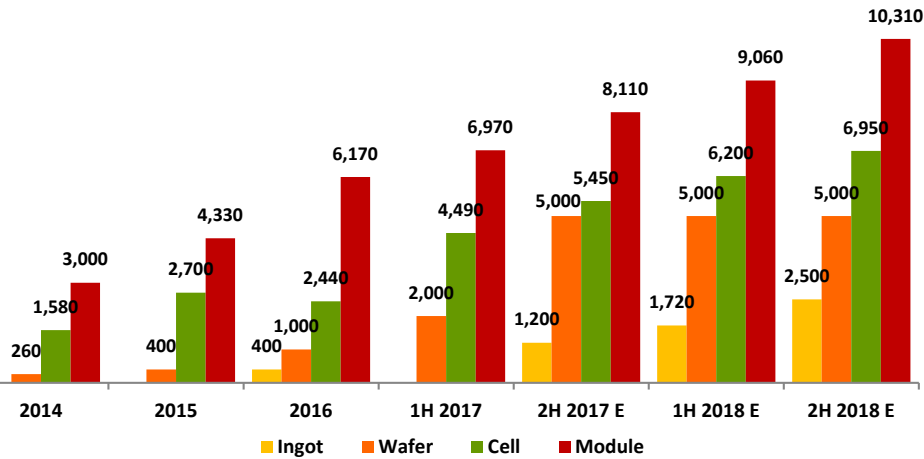
Source: Company information as of November 9, 2017

Note: (1) Late-stage project and EPC contract pipeline, nearly all projects have an energy off-take agreement and are expected to be built within the next 2-4 years. Some projects may not reach completion due to failure to secure permits or grid connection, among other risk factors.

(2) Early to mid-stage of development: includes only those projects that have been approved by our internal Investment Committee or projects that are expected to be brought to the Investment Committee in the near term.

Capacity Expansion to Optimize Technology and Cost

Manufacturing Capacity - MW



Technology upgrade – New products, new process, new design

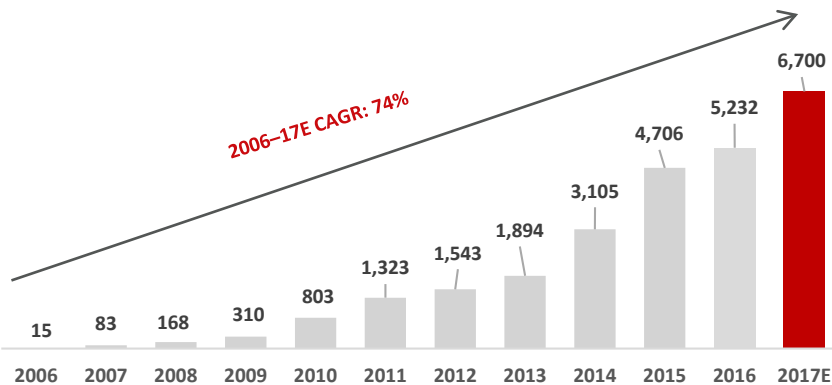
- ✓ Diamond wire-saw wafer
- ✓ Black silicon
- ✓ Mono PERC
- ✓ Black silicon + PERC

Global Manufacturing Footprint

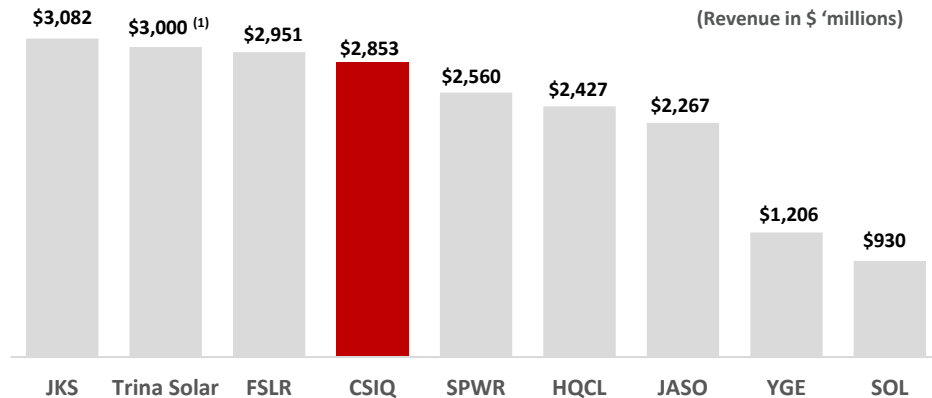
- ✓ Brazil
- ✓ Canada
- ✓ China
- ✓ Indonesia
- ✓ South East Asia
- ✓ Vietnam

Operation efficiency improvements: Shorter cycle time and lower inventory

Total Module Shipments - MW



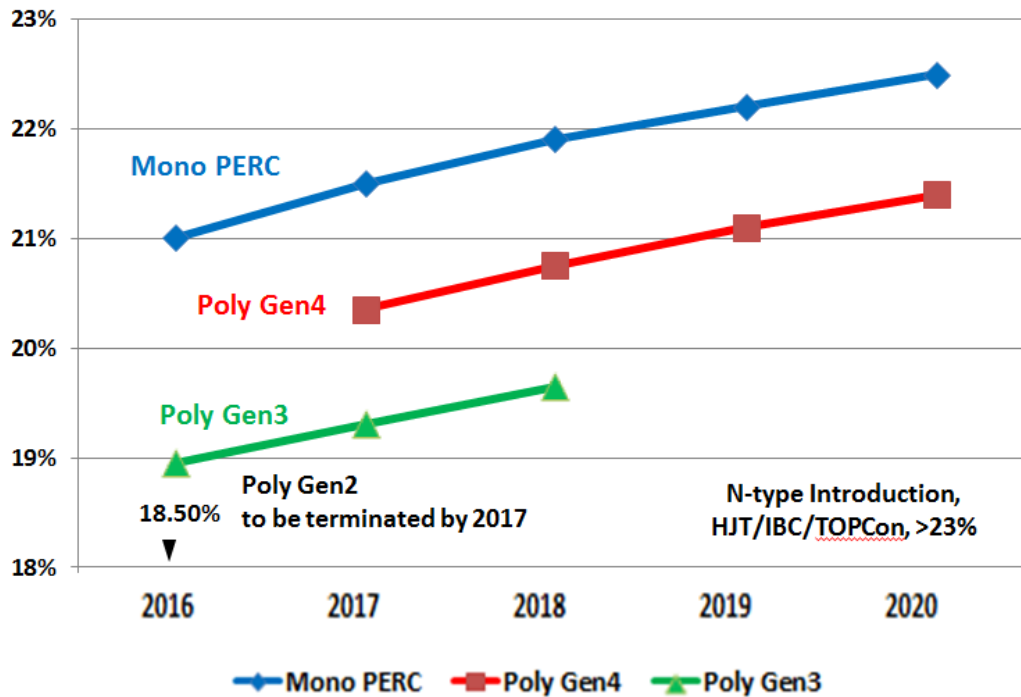
Top 4 Solar Energy Solutions Company by Revenue in 2016



Source: Company information
Note: (1) based on IHS estimate

Cell Efficiency Roadmap

Cell Efficiency



Highlights

- ☀️ Gen3 nano-texturing technology paves the way for using diamond-wire saw wafer in multi-crystalline cell production
- ☀️ Gen4 will improve the multi-crystalline cell efficiency to above 21.4% by 2020
- ☀️ Mono PERC cell efficiency can reach above 22.5% in mass production by 2020
- ☀️ PERC technology is expected to fully replace Al BSF by the end of 2018

Source: Company information as of November 9, 2017