SUNPOWER®

Capital Markets Day

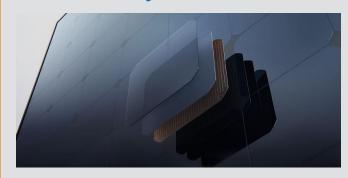
JEFF WATERS

CEO, SunPower Technologies

MARCH 2019

The Transformation: Innovation and DG Focus

Panel Technology and ROW Sales SPT Jeff Waters



- Panel innovation leadership
- DG margin expansion with Maxeon® 5 "NGT"
- PP volume growth with P-Series China JV
- Capital light / low capex model

NA Commercial SPES Nam Nguyen



- Strong demand MW up 50% 2019
- Cost reduction system / scale
- Storage software / installed base
- Services customer, grid

NA Residential SPES Norm Taffe



- Leverage NGT panel advantage
- Expand powerful energy platform
- Exploit New Homes market leadership
- Extend offering to storage & services

Driving MW growth and higher gross margin \$/w across the platform



SUNPOWER TECHNOLOGIES

Winning Strategy

Analog Semiconductors

An Ideal Target Market

- Many smaller customers, geographically diverse
- Pay for performance, features, quality
- Mid-sized market that's growing

Target Market Strategy

- Valued innovation
- Service excellence
- Strong brand; scalable customer engagement

Adjacent Market Strategy

- Safely partner with cost-leading competitors in lower-value segments/markets
- Options: License, out-source production, JV
- Leverage OpEx, supply chain, brand

SunPower Technologies



Solar Distributed Generation (DG)

Residential and Commercial







Solar Power Plant (PP)





OUR VISION

SunPower Technologies



Continuous Innovation

- Decades of experience, customization and optimization
- Maxeon and Performance Series



Bringing Meaningful Value to Meaningful Markets

- More power + Better reliability + Better Service = Price Premium
- Distributed Generation (Maxeon) and Power Plant JV (P-Series)
- Leverages SPES customer knowledge in North America



Leading to Significant Growth in Value

• Dramatic improvement in capacity, capital intensity, and profitability.





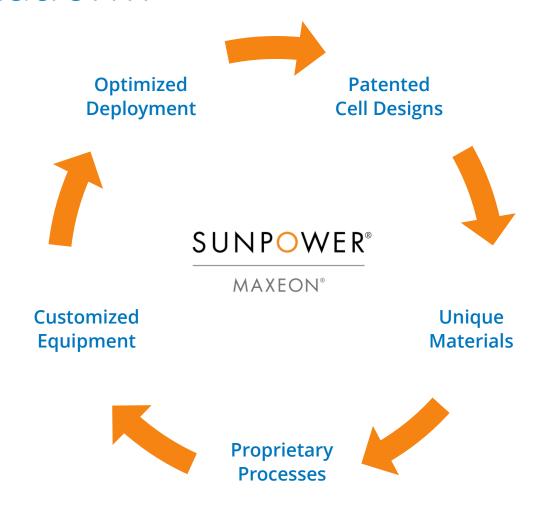
PROFIT MODEL

Target Model

Revenue Growth (CAGR)	10-20%	Build out of global channelCapEx-efficient expansion
Gross Margin	>15%	 Fab conversion to new technology (i.e. Maxeon[®] 5) Premium ASP in DG
Opex	<7%	Scalable customer engagementVolume scale with China JV
EBITDA	>10%	



Unique and Proven Innovation Platform





Maxeon® 5

Highest performance in the industry

- 25% cell efficiency, highest in commercial production
- First residential panel rated at > 400 Watts

Premium product at competitive costs

- Simplified process: fewer steps, reduced tool count
- Larger wafers > 50% lower cost per watt

Proven technology running on full-scale line

- Utilizes existing facilities (Malaysia), replacing Maxeon® 2
- 2x manufacturing capacity at half of the CapEx per watt





Maxeon®: Why It Matters to Customers

More power per roof

• Better efficiency leads to more power for equivalent sized panels

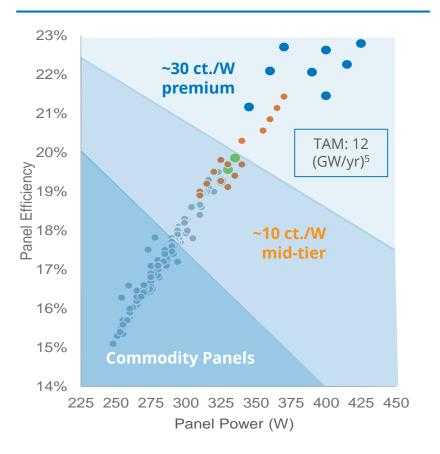
More lifetime energy in the same footprint

- Slower degradation
- 50% more energy in the same space over the first 25 years compared to conventional panels.¹

Industry's leading warranty

Commands \$0.30/watt pricing premium in Residential, and \$0.15/watt in Commercial

Residential





Performance Series: Why it Matters to Customers

Highest Efficiency (19%) at a Competitive Price

- Utilizes commodity PERC Cells
- Patented "Shingled" interconnection technology

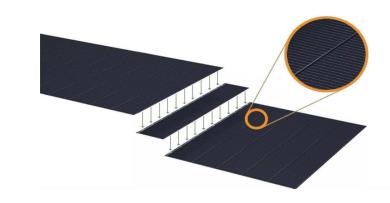
Reliability Advantages

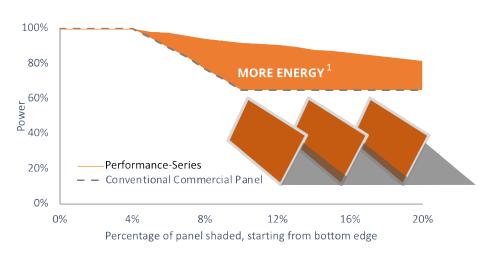
- Highly resistant to a harsh environment
- Industry leading warranty

Enhanced Energy Yield

- Patented string design enhances energy yield
- Limits power loss due to shading and dirt build-up
- Enables closer row spacing, reduces installation cost

Commands \$0.04/watt pricing premium in Power Plant







REVENUE GROWTH

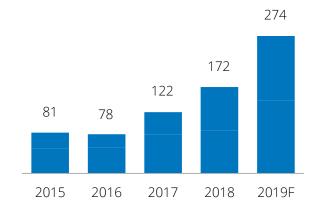
Global Footprint Enabling Significant Growth in DG

North America (14% CAGR)



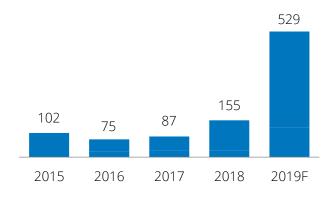
- Growth through SPES, and largest channel
- Upside through Safe Harboring

Europe (36% CAGR)



- Doubled market share since 2015
- Strongest dealer network in the region (450+)

APAC/ROW (51% CAGR)



- Australia up 8X over last two years with recently revitalized dealer channel (200+)
- Significant new account growth with new channel investment in SE Asia (10+ countries) and MENAT, Africa and Latin America



REVENUE GROWTH

China Partnership Strategy for Power Plants

JV between SunPower (20%), DEC and TZS in Tianjin, China

Cap-Ex light engine that has quickly grown Performance-Series capacity

- Cell Fab producing 1.2GW Mono-PERC cells
- 2GW Module Factory for Performance-Series
- Option for SunPower to offtake 2/3 of total capacity
- Additional expansion in plans for as soon as 2020

SunPower planned offtake of ~900MW in 2019







Winning Strategy

Maxeon[®] 5 delivering world's best panels for Distributed Generation, with a transformational effect on our business

- Making the world's best panel for DG even better, driving significant price premium
- Twice the capacity with ½ the CapEx per watt
- 50% lower cost per watt

Performance-Series and China JV enabling differentiated position in Power Plant

- Best performance driving price premium
- Low-CapEx approach to quickly access 1GW+ of new capacity

Strong and steady business model





Revenue Growth (CAGR)	10-20%
Gross Margin	>15%
Operating Expenses	<7%
EBITDA	>10%

