

UBS ENERGY TRANSITION CALL

Global Distributed Generation Opportunities

maxeon

PRESENTERS AND AGENDA



Jeff Waters
Chief Executive Officer

- **Maxeon overview and strategy**













Jim Dawe
VP Global Sales
& Marketing


- **Global DG market TAM and attributes**
- **Maxeon GTM platform**
- **Role of AC modules and storage**

- **Q&A**

MAXEON SOLAR TECHNOLOGIES

LEARN MORE at maxeon.com

	maxeon
 NASDAQ SYMBOL	MAXN
 HEADQUARTERS	Singapore
 SALES TERRITORY	100+ Global Markets
 SALES MARKETS & CHANNELS	+ Exclusive DG Panel Supply Agreement to SPWR Residential Commercial Power Plant
 CUSTOMER-FACING BRAND	SunPower Brand all markets outside of US & Canada
 INSTALLER NETWORK	1,100 Partners
 2019 INSTALLATIONS	1,850 MW
 CUSTOMER BASE	300,000+
 IP ACCESS	900+ Patents
 MANUFACTURING CAPACITY	2,750 MW France, Mexico, China, Malaysia, Philippines




Total S.A.
#1 Shareholder


€ 209 Billion revenue (2019)

ZHONGHUAN SEMICONDUCTOR


Tianjin Zhonghuan Semiconductor Co. (TZS)

\$ 2.4 Billion revenue (2019)





Public Investors
Ticker: MAXN



STRONG GROWTH PLATFORM



Today

- GLOBAL **PREMIUM BRAND** IN RENEWABLE ENERGY
- WORLD'S **HIGHEST EFFICIENCY** SOLAR PANELS
- 1,100+ SALES & INSTALLER **GLOBAL CHANNEL**
- GLOBAL FOOTPRINT, SALES IN > **100 COUNTRIES**

Tomorrow

- GROWTH **BEYOND THE PANEL** INTO ADJACENT DG PRODUCTS
- EXPANSION INTO **NEW GROWTH DG MARKETS**
- GROWTH IN POWER PLANTS DRIVES **OPERATIONAL LEVERAGE**
- SCALE UP OF **CAPITAL EFFICIENT** JV MANUFACTURING

MAXEON STRATEGY

\$100 Billion TAM

Take our premium brand
Beyond the Panel
in global DG markets

\$14 Billion SAM

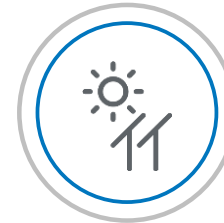


Rooftop (DG)

- Innovation drives brand preference
- Premium ASPs¹, high margins
- Opportunity to leverage brand and channels to move *Beyond the Panel*

Large Scale

- Cost / performance innovation
- Supply chain relevance
- Economies of scale
- Capital-light through JV



Become the premier
LCOE optimized panel provider
for global large-scale/
power plant markets

\$18 Billion SAM

¹ ASP: Average Selling Price.

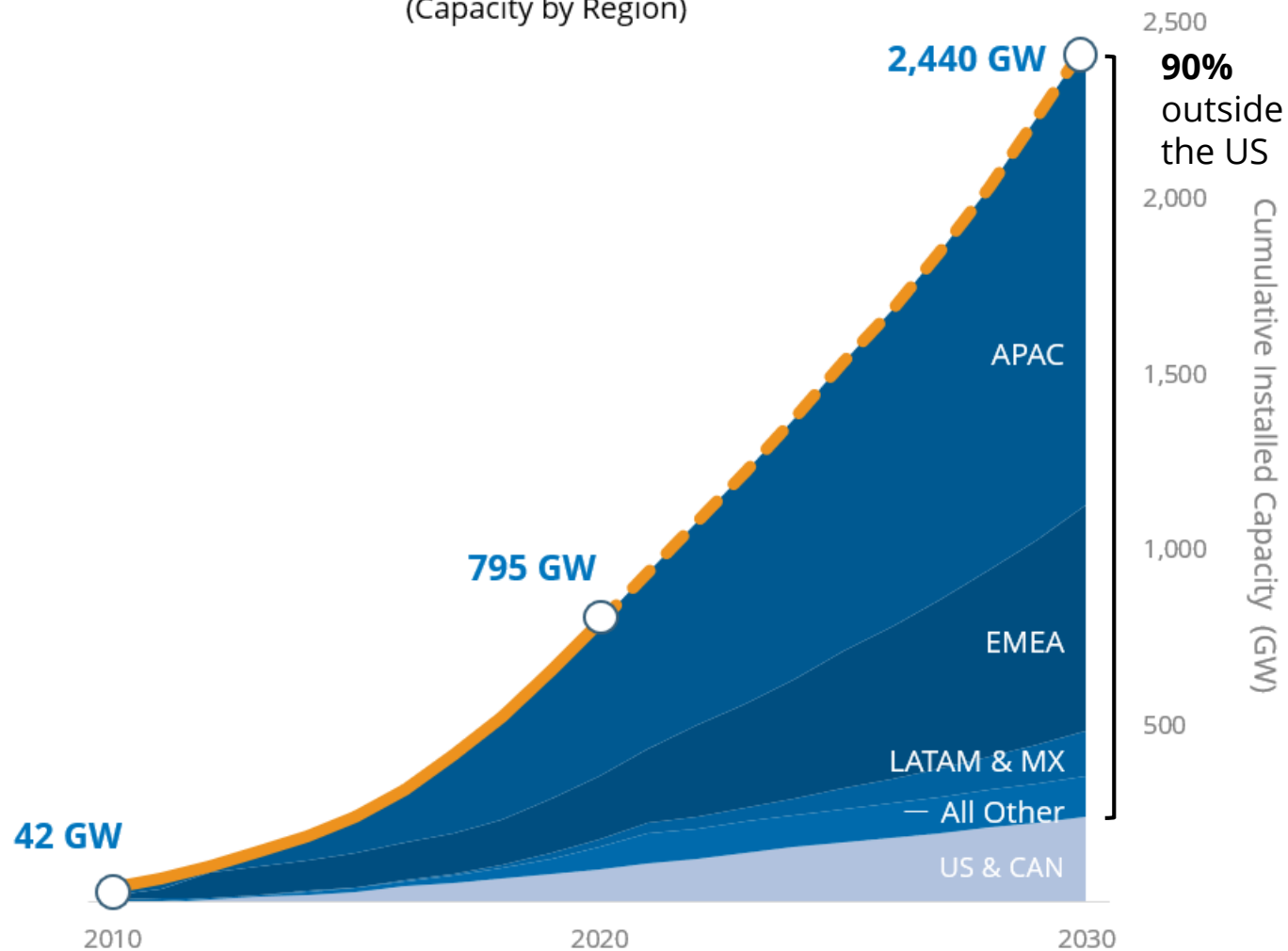
TAM and SAM Source: Company projections, Wood Mackenzie, IHS Markit, PV InfoLink.



In the next 10 years,
90% of solar
will be installed
outside the United States.

WE BELIEVE IN A GLOBAL SOLAR FUTURE

Global Installed Solar
(Capacity by Region)



Source: BNEF New Energy Outlook 2018 and 2019

TOP DG MARKETS

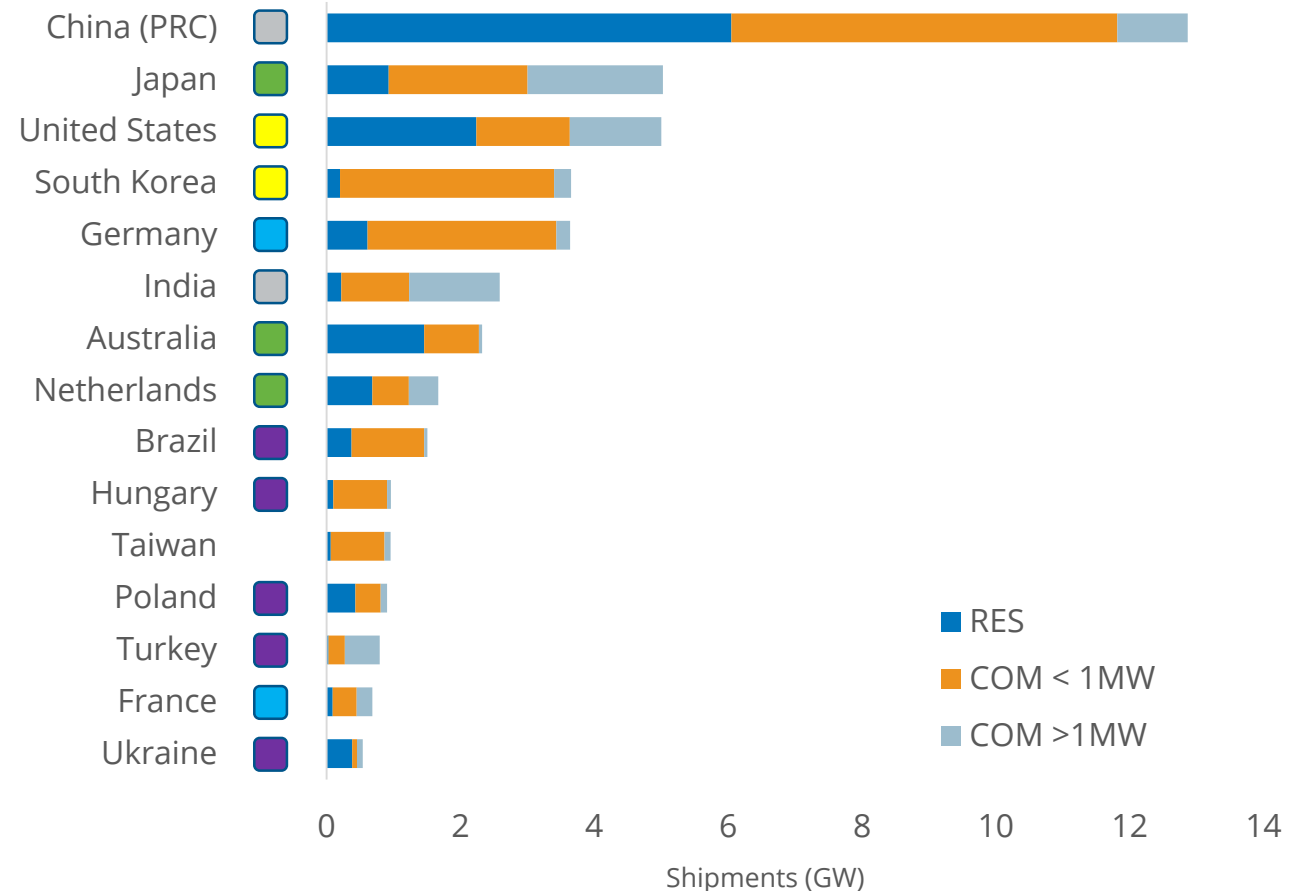
88% of Top 15 Volume outside US.

- Handful of countries dominate APAC
- EU major market as a whole (>20%)
- MAXN covers almost all key geographies

Maxeon Solar Technologies Channel

- Dealer Channel
- Hybrid Channel (Dealers & Distributors)
- Distributor Channel
- Key OEM Account
- Market Entry

Top 15 Global DG Markets
Shipments by Channel 2019

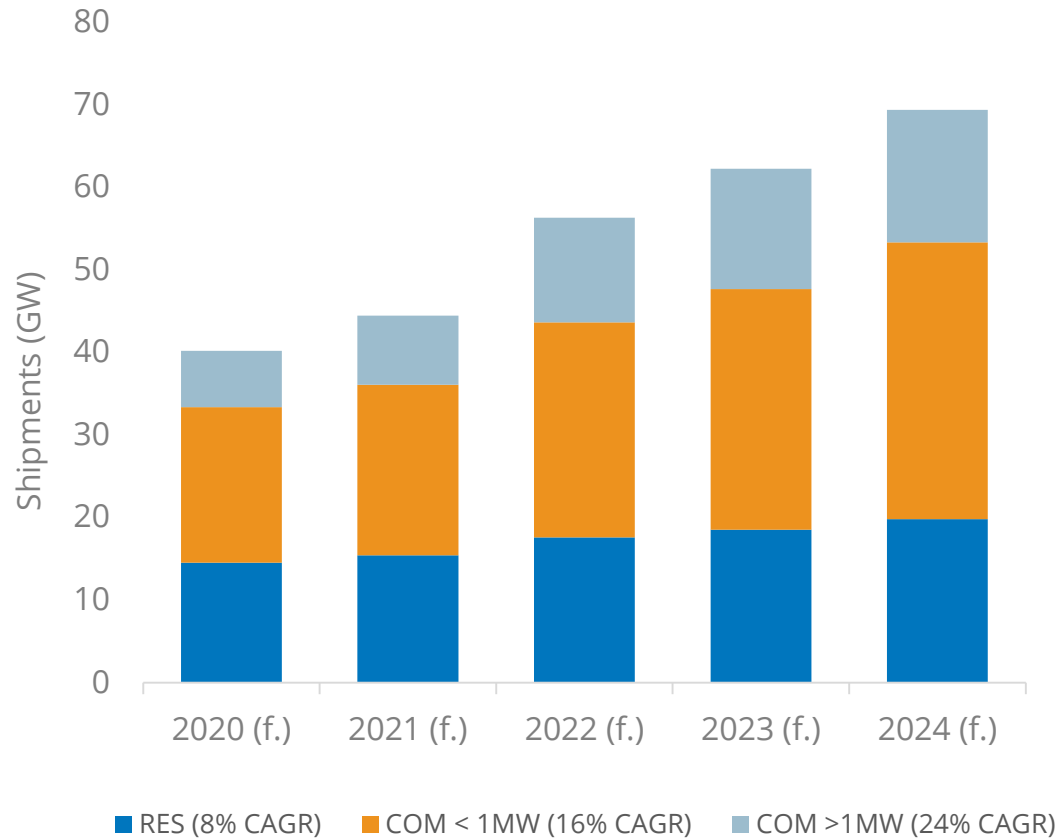


Source: IHS, PV Installations Tracker Q3 2020, Sept. 2020. DG does not include Off-Grid installations.

DG MARKET GROWTH FORECAST (EX USA & CANADA)

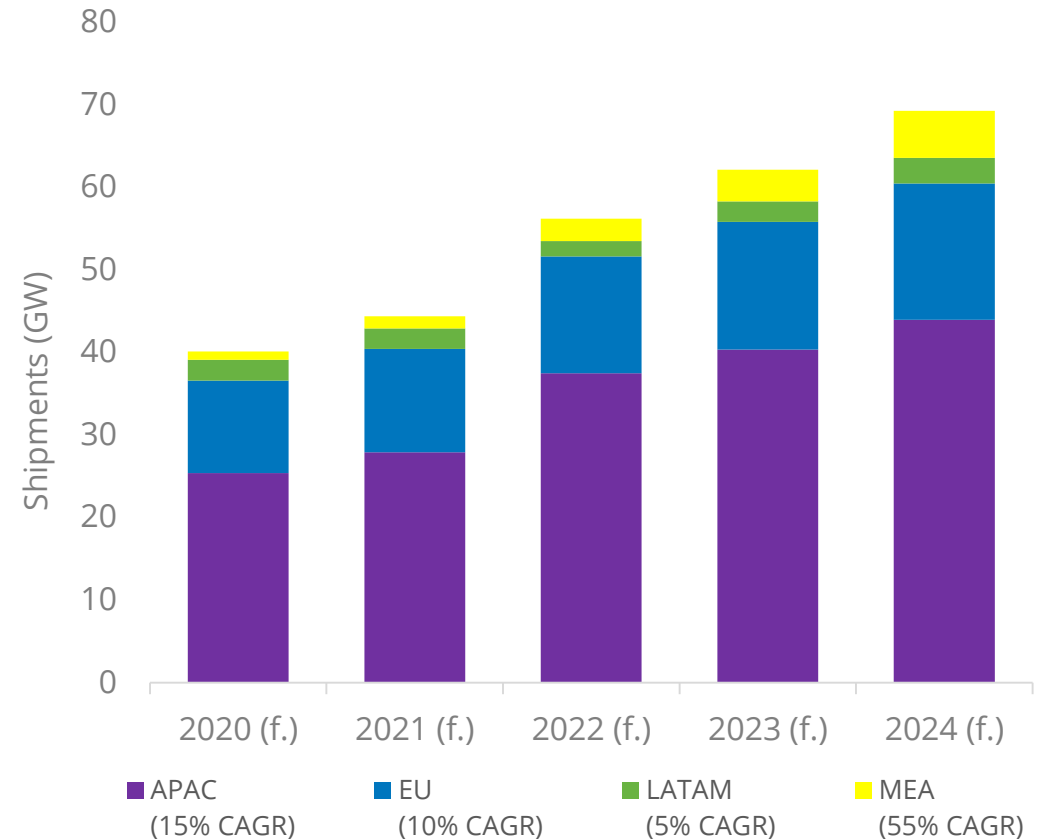
Segment Market Evolution

Global DG (non-US), 2020-2024 (f.)



Region Market Evolution































Global DG (non-US), 2020-2024 (f.)



Source: IHS, PV Installations Tracker Q3 2020, Sept. 2020

DG MARKET DRIVERS BY COUNTRY


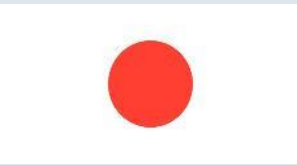























Select EU Countries

	Belgium		Germany		Netherlands		Italy		France		UK	
												
												
Avg System Size (kWp)	4.0	250	9.8	100	5.0	250	6.0	500	3.0	100	4.0	150
Retail Price (€ /kWh)	€0.29	€0.12	€0.29	€0.16	€0.21	€0.09	€0.23	€0.16	€0.19	€0.10	€0.22	€0.16
Payback Speed	 MED	 MED	 SLOW	 MED	 MED	 MED	 FAST	 FAST	 MED	 MED	 MED	 MED
Economic Drivers	Net metering	Self-Consumption + Green Certificates	Self-Consumption + Export Tariff	Self-Consumption + Export Tariff	Net metering + Tax Benefits	Self-Consumption + Export Tariff + Tax Benefits	Self-Consumption + Export Tariff + Tax Benefits	Self-Consumption + Export Tariff + Tax Benefits	Self-Consumption + Export Tariff	Feed-in-Tariff	Self-Consumption + Export Tariff	Self-Consumption + Export Tariff
Importance of Non- Economic Drivers	Med	Med	High	High	Med	Med	Med	Med	Low	Low	Low	Low

Source: Internal analysis. Payback Time defined as Fast: <7 years, Medium: 7-10 years, Slow: >10 years.

DG DRIVERS BY COUNTRY

Select APAC Countries

	Australia		Japan		Korea		China		India	
										
										
Avg System Size (kWp)	6.6	99	5	83.5	3	1,000	5	n/a	5	250
Retail Price (US¢/kWh)	23.5¢	18.6	25.0¢	17.8¢	10.5¢	12.0¢	up to 9¢	up to 10¢	up to 13.5¢	up to 13.5¢
Payback Time	 FAST	 FAST	 MED	 MED	 MED	 MED	 FAST	 FAST	 FAST	 FAST
Economic Drivers	Self-Consumption + Export Tariff	Self-Consumption + Export Tariff	Self-Consumption + Export Tariff	FIT	Self-Consumption + Export Tariff	Self-Consumption & Tax Credits	FIT	FIT	Net Metering	Net Metering
Importance of Non-Economic Drivers	Low	Med	Low	Med	Low	Low	Low	Low	Med	Low

Source: Internal analysis. Payback Time defined as Fast: <7 years, Medium: 7-10 years, Slow: >10 years.

SUNPOWER | IBC Panels

Fundamentally different. And better.

#1 Solar Panel Efficiency¹
in the market, fitting more energy in less space



#1 Lowest Degradation Rate
in the solar industry²

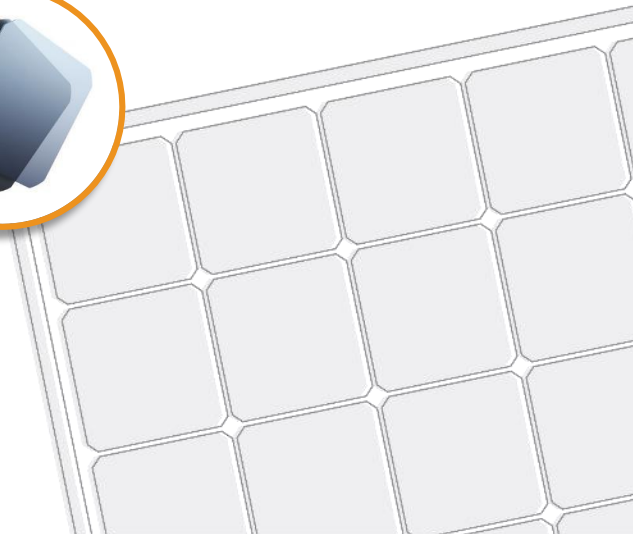
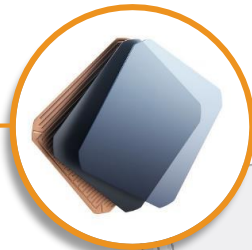


Leading Durability²
with a 40-year useful life³



Manufactured by Maxeon

Ultra-pure silicon
on a patented
copper foundation



SUNPOWER | Shingled Panels

Making the conventional, exceptional.



Higher Efficiency at a Competitive Price
Patented technology, G12 wafers, China JV



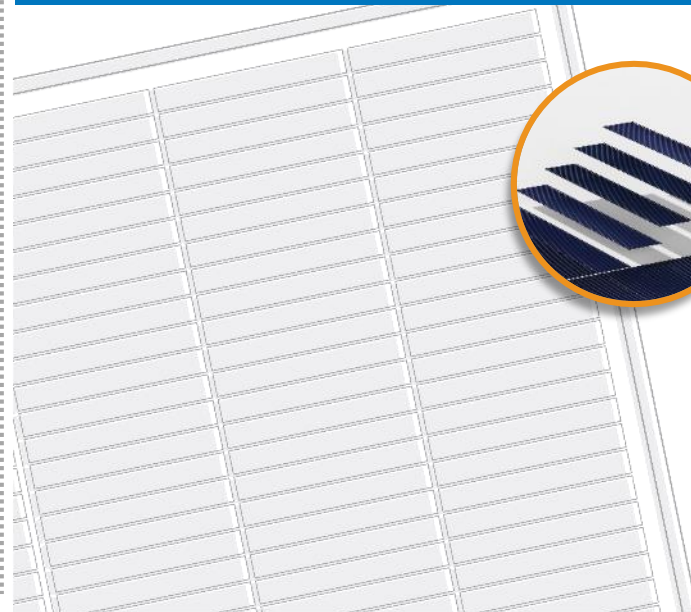
Enhanced Energy Yield
Less soiling/shading loss (row spacing), bifacial, greater power density



Reliability Advantages in Harsh Environments^{3, 4}
Comprehensive warranty, top module reliability performer

Manufactured by HSPV JV

Patented unique mono
PERC shingled
cell panel design



1. Based on search of datasheet values from websites of top 20 manufacturers per IHS, as of January 2019 2. As of 2018, Jordan, et al, "Robust PV Degradation Methodology Application" PVSC 2018 and "Compendium of Photovoltaic Degradation Rates" PiP 2016 3. Performance panels expected useful life of 35 years. Source: "SunPower P-Series Technology Technical Review," Leidos Independent Engineer Report. 2016. SunPower Maxeon panels expected useful life of 40 years. Source: "SunPower Module 40-Year Useful Life," Useful life is 99 out of 100 panels operating at more than 70% of rated power 4. SunPower Performance P19 panels identified as top performers in the 2018 DNV GL PV Module Reliability Scorecard: <https://www.dnvgl.com/publications/2018-pv-module-reliability-scorecard-117982>.

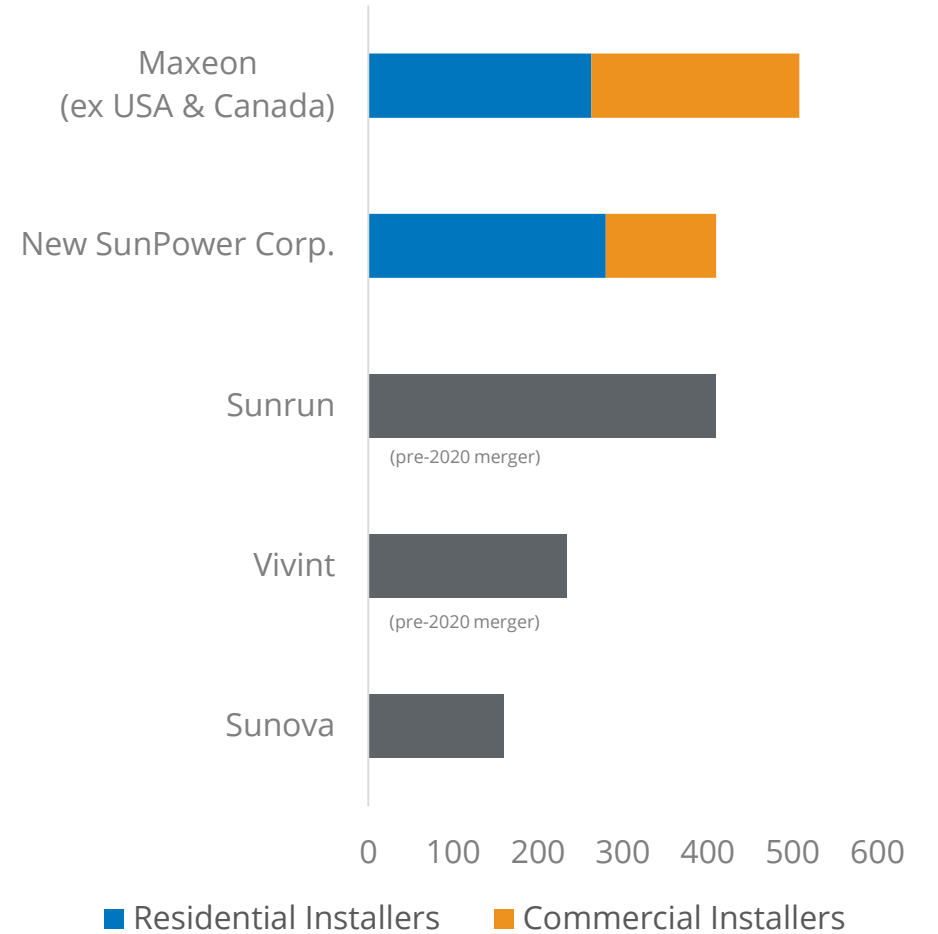
MAXEON HAS A LARGE DG SALES & INSTALLATION CHANNEL



Commercial Solar

Residential Solar

Total DG Partner Network Shipments¹ 2019 MW Deployed

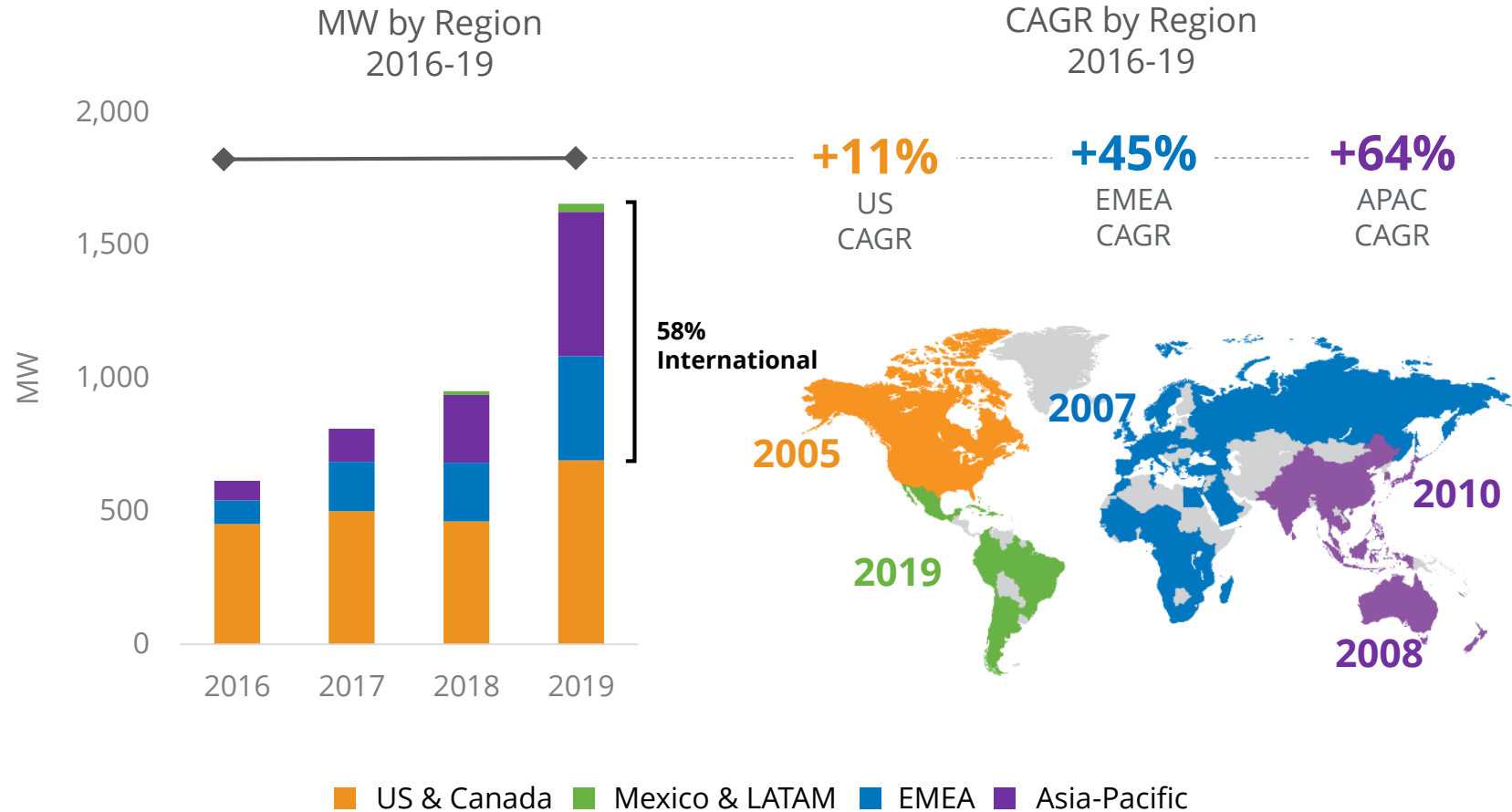


¹ Source: Obtained from public financial reporting of competitors'

MAXEON'S DG BUSINESS IS GROWING RAPIDLY

The Maxeon DG business has grown at a **CAGR of 28.1%**, compared to 19.5% for the overall market

Global Distributed Solar Growth



Source: Maxeon data; IHS, April 2020

MOVING BEYOND THE PANEL



Q4 2020



NEW

AC Module

Services

Storage



AC MODULE VALUE



AC Module

Partner

Differentiate

#1 Highest Power
panel¹ and system²
in home solar

Simplify

50% fewer steps³
&
10% lower logistics cost⁴

Remotely Monitor

higher reliability⁵
inverter and panel

Homeowner

Save More

35% more
lifetime panel energy⁶

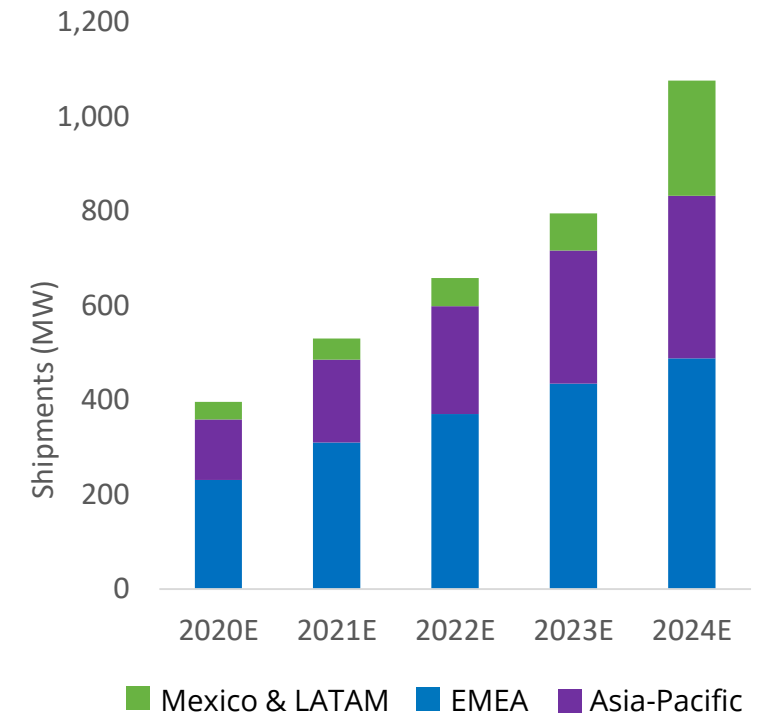
Maximize Potential

50% more
lifetime system energy²

Quantify Savings

via online app,
share results

Microinverter Expected Shipments⁷



¹ Source: SunPower competitive analysis using competitive datasheets, January 2020. Reflects company datasheet averages. Excludes non-residential panels. ² Source: PVsyst simulation. Assumptions: Amsterdam residential roof at 30 deg tilt with portrait installation. Average system size is 6.0 kWp SunPower Maxeon ACM module: Max5 AC 415W (Enphase IQ7A-72-x-INT). Conventional modules Mono PERC 310W (0,55% annual degradation rate) + leading string inverter. ³ Internal analysis, Maxeon Solar Technologies. ⁴ Source: Enphase field study. ⁵ Jordan, et. al. Robust PV Degradation Methodology and Application, PVSC 2018. Enphase 1,000,000 Power-On Hours of Rigorous Testing. ⁶ SunPower 415 W, 22% efficient, compared to a Conventional Panel on same-sized arrays (310 W mono PERC, 19% efficient, approx. 1.64 m²). ⁷ Source: IHS - Q3'20.

GLOBAL RESIDENTIAL ENERGY STORAGE

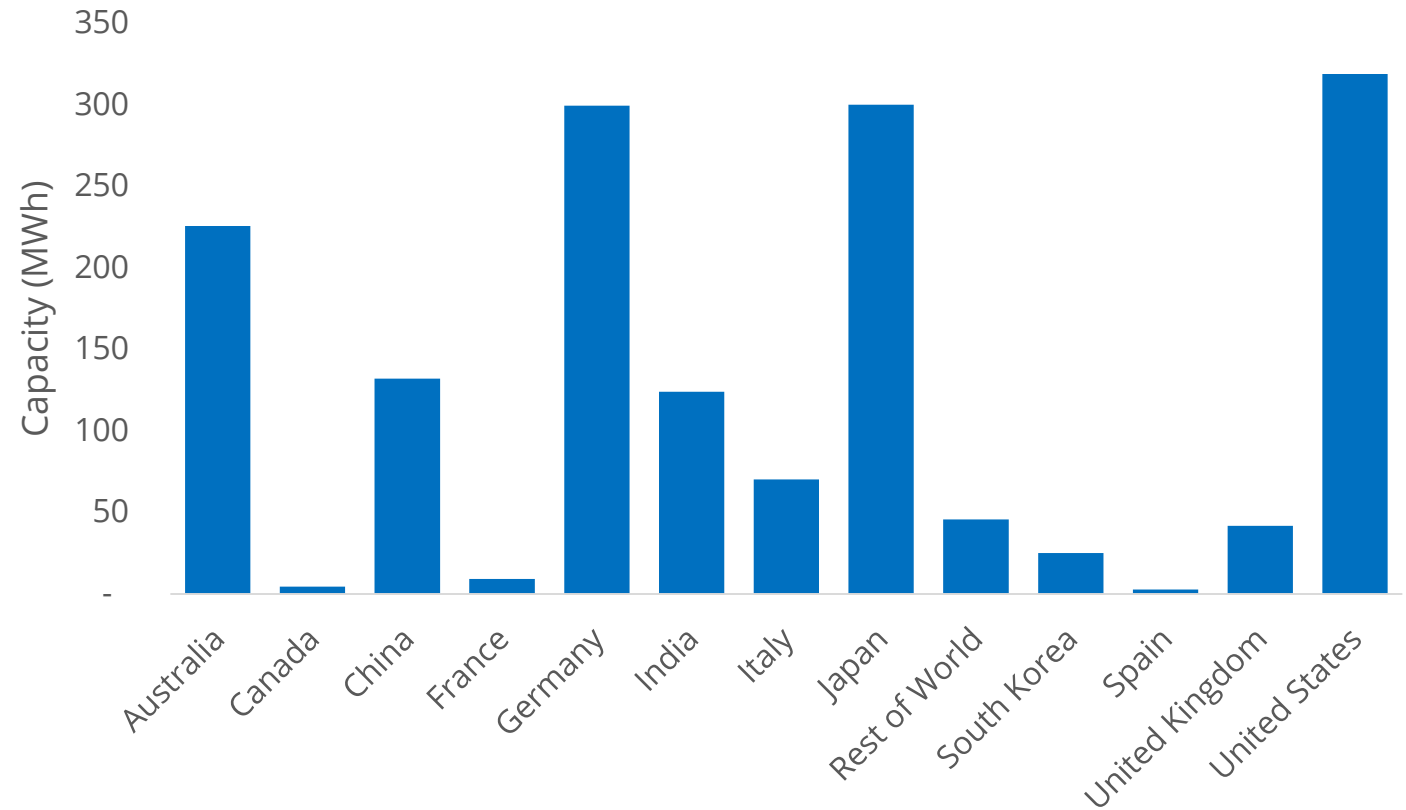
Economically Driven

- $LCOE < \text{Retail Electricity Rate}$
- Store kWh to avoid purchasing at a higher price later, instead of exporting at low export tariff now
- **Examples:** Germany, Italy

Non-Economically Driven

- $LCOE > \text{Retail Electricity Rate}$
- Back-up power, independence
- **Example:** United States

Top Residential Storage Market Deployments
2019 MWh Deployed (Alphabetically)



Source: Wood Mackenzie H1 2020



SUMMARY

- **Massive Global DG Opportunity**
 - Large and growing markets outside the US
- **Well Positioned in Key Markets**
 - EMEA, LATAM, APAC
- **Expanding Product Portfolio**
 - Launching AC modules in Q420
 - Storage and services

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Q & A

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