

January 2023

FTC Solar Overview Needham Conference



Forward-Looking Statements and Non-GAAP Financial Measures

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This presentation contains non-GAAP financial measures relating to our performance. You can find the reconciliation of these measures to the most directly comparable GAAP financial measure in the Appendix at the end of this presentation. The non-GAAP financial measures disclosed by the Company should not be considered a substitute for, or superior to, the financial measures prepared in accordance with GAAP. Please refer to the notes to reconciliation of non-GAAP financial measures in FTC Solar's quarterly earnings release for a detailed explanation of the adjustments made to the comparable GAAP measures, the ways management uses the non-GAAP measures, and the reasons why management believes the non-GAAP measures provide investors with useful supplemental information.



Introductions



Sean Hunkler

Chief Executive Officer Member of Board of Directors

- Appointed CEO September 2021, Previously EVP of Global Operations at Western Digital 2018-2021
- Former EVP Operations, NXP Semiconductor, then COO of Nexperia Semiconductor following spin-off from NXP (2012-2018);
- Multiple leadership roles at Freescale Semiconductor, SunEdison and Motorola.
- MBA University of Texas, BS Chemical Engineering Johns Hopkins.



Patrick Cook

Chief Commercial Officer

- FTC Solar CF0 2019-2022
- 10+ years of experience in the renewable energy industry
- Former VP, Capital Markets and Corporate Finance for SunEdison along with multiple other leadership positions
- VP, Structured Finance, Bank of America
- BS degree in Finance and Quantitative Methods from Bradley University



T.J. Rodgers

Chairman of the Board

- Founder of Cypress Semiconductor and CEO for 34 years (1982-2016)
- Serves on Boards of Enphase Energy and Enovix
- Former Chairman of SunPower and Semiconductor Industry Association
- Former Director at Bloom Energy, Deca Technologies, Waterbit, Agiga
- Trustee Emeritus Dartmouth, Masters& Ph.D. Stanford University, Sloan Scholar Dartmouth



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Agenda

- Recent Updates / Key Takeaways
- Company Overview
- Market Overview
- Technology & Positioning
- Growth Drivers & Financials
- Q&A

Appendix





Key Takeaways

- 1. Pipeline at record levels 90 gigawatts¹
 - Including >100% international growth first 9 months of 2022
- 2. Backlog approaching \$1 billion mark (\$961m)¹, growing nicely
 - \$203m added August 9-November 9, \$165m of which is not impacted by UFLPA
 - Continued international growth including 4 new countries and largest project to-date in Australia (128mw)
- 3. New product introductions expand growth opportunity/TAM
 - Launched new solution for U.S. thin-film modules, filling gap in offering
 - Announced new 1P tracker, Pioneer, along with 500mw initial order
- 4. Cost reductions position us for significant gross margin expansion from recent levels
 - Achieved 20%+ steel cost reduction in 2022, now focus on manufacturing cost improvements
 - Building high-margin DG business, two new portfolios in recent awards
 - Positioned to achieve gross margin in 12-18% range when revenue at \$150m run-rate²

Company poised for significant growth and margin improvement. Customers' ability to obtain modules amid UFLPA detentions is gating item

1. As of November 9, 2022

2. Company estimate as of November 9, 2022, based on a representative basket of projects. Actual margin will depend on specific mix of projects and materials vs. logistics in any particular quarter.



Company Overview

FTC Solar Today

		Key Metric	S			
FTC Solar is a fast-gr	Custo	140+				
engineerin	g services to the solar energ	y industry	Empl	oyees:	245	
			Pater	Its (Granted or Pending)	76	
Tracker Systems	Software	Engineering Services				
 Custom-designed, next- generation two-panel in- 	 Proprietary solutions to boost energy production, design 	 Includes site analysis, array design services, foundation 	Manufacturing	Partners	33	
portrait ("2P") tracker systems	projects and manage project portfolios	development and other value- added capabilities	Manuf	Countries	10	
Announced differentiated new			'20 R	evenue:	\$187m	
1P tracker Industry-leading install speeds 	• Up to 6% project energy gain ¹	• Expert assistance, value- added services	'21 R	'21 Revenue:		







FTC SOLAR

1. As compared to Voyager systems without SunPath enhancement software

2. Cumulative since inception.

What is a Solar Tracker?

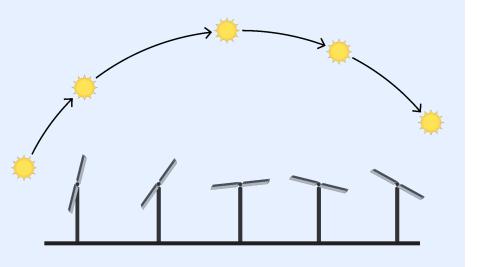
Trackers significantly increase energy production by dynamically optimizing solar panel orientation to the sun throughout the day

Traditional Fixed-Tilt



× Fixed angle; sub-optimal exposure

FTC Solar Tracker



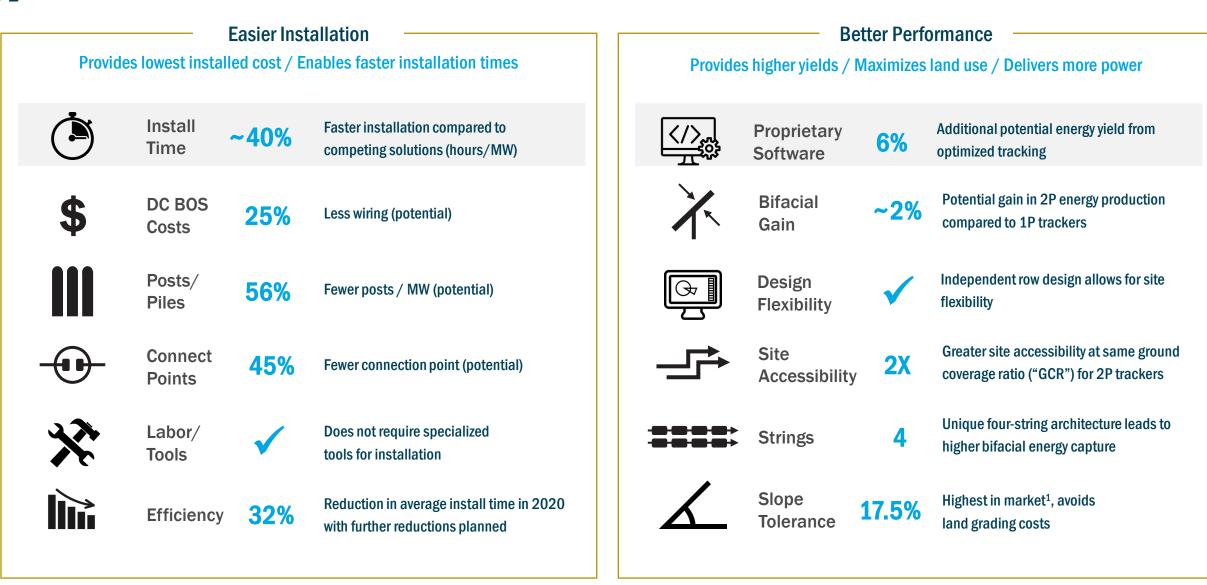
✓ Variable angle; optimal exposure throughout the day

Tracker systems and advanced software yield, on average¹:

- ✓ 25% more energy
- ✓ 17% lower levelized cost of energy ("LCOE") compared to fixed-tilt mounting systems



Our Competitive Differentiation in 2P Trackers





/// **Global Supply Chain**



10

Current Manufacturing Sites

In qualification

*



Key Investment Highlights

A Technology Company With Differentiated Solutions...

- Industry-leading installation speeds (~40%) resulting in labor cost reductions
- One of largest U.S. providers of 2P trackers; plus newly announced 1P tracker solution
- Proprietary software increases yields by up to 6%

A Unique Value Proposition Leading to Rapid Customer Adoption...

- Grew top 15 developer and EPC penetration to 47% and 60% in '21 from 40% each in '201 1
- Customers include Invenergy, Kiewit and D.E. Shaw

That is Well Positioned in Large and Growing TAM...

- Trackers growing faster² than fixed-tilt
- Solar growing as % of energy
- Significant industry demand tailwinds

With Multiple Growth Drivers...

- New U.S. customers and wallet share
- International growth
- Distributed Generation, Software
- Operating leverage through scale

Positioned for Significant Financial Improvement...

- Cost reductions, including~20% steel content reduction, to enable significant margin improvement
- Net cash position, no debt
- Asset-light model positions for strong cash flow conversion

And Experienced Leadership Team

- Management team comprised of experienced industry leaders
- Strong, independent board

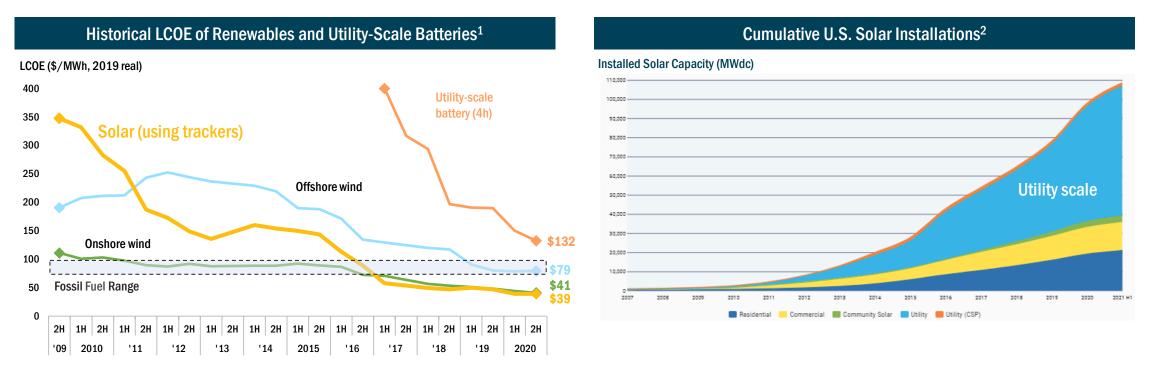


Market Overview

The Emergence of the Solar Market

The solar energy industry has grown as its associated costs have decreased

43% of all new electric capacity added to the grid came from solar energy in 2020, representing the largest such share in history



Over the last decade

Solar installation costs have dropped by more than 82%

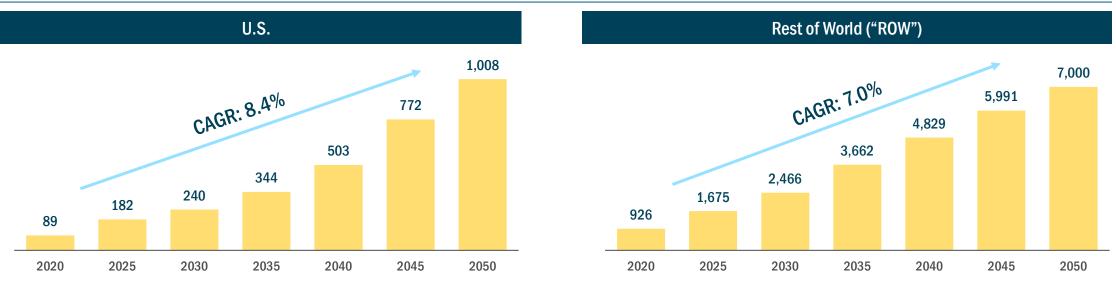
Solar installations have grown at 42% per year, on average in the last decade



Solar Market Poised for Sustained Growth

Solar energy is expected to continue to increase its penetration in the U.S. and globally

Estimated \$220bn+ market size in in 2026, growing at a CAGR of 20%+ from 2019¹



Cumulative Installed Solar Capacity (GW)²

The solar industry has and, we believe, will continue to benefit from many powerful drivers of continued growth, including:

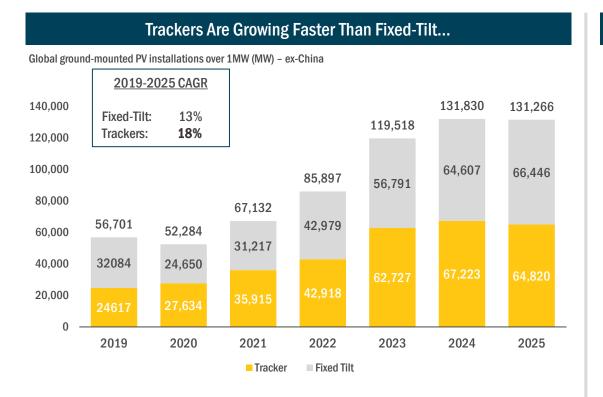
- ✓ Continued innovation and cost competitiveness with fossil-fuels
- ✓ Governmental policies and regulations supporting renewables globally
- Corporate procurement of renewable energy

- ✓ Improvement in battery storage technology
- ✓ Continued development of newly renewable use cases
- ✓ Increased capital available for green investments



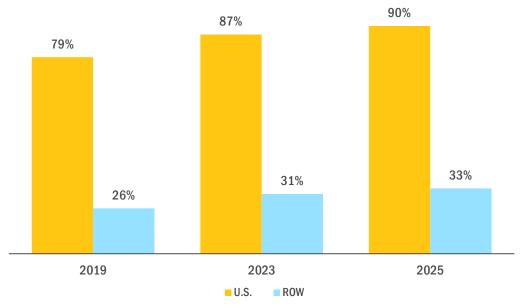
The Solar Market is Transitioning to Trackers

Trackers are growing faster than fixed-tilt and are still in early stages of ROW penetration



...And Just Beginning ROW Penetration

Tracker percentage of ground-mounted systems over 1MW (ex-China)

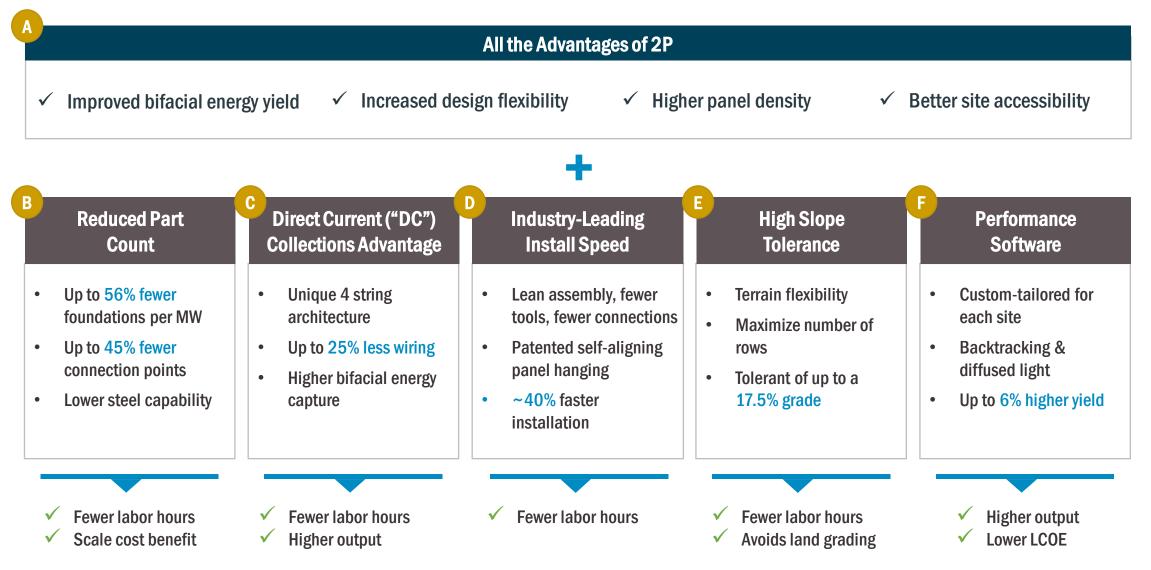


Total tracker market revenues estimated to be \$7.6bn in 2023¹, with \$4.9bn in the Americas



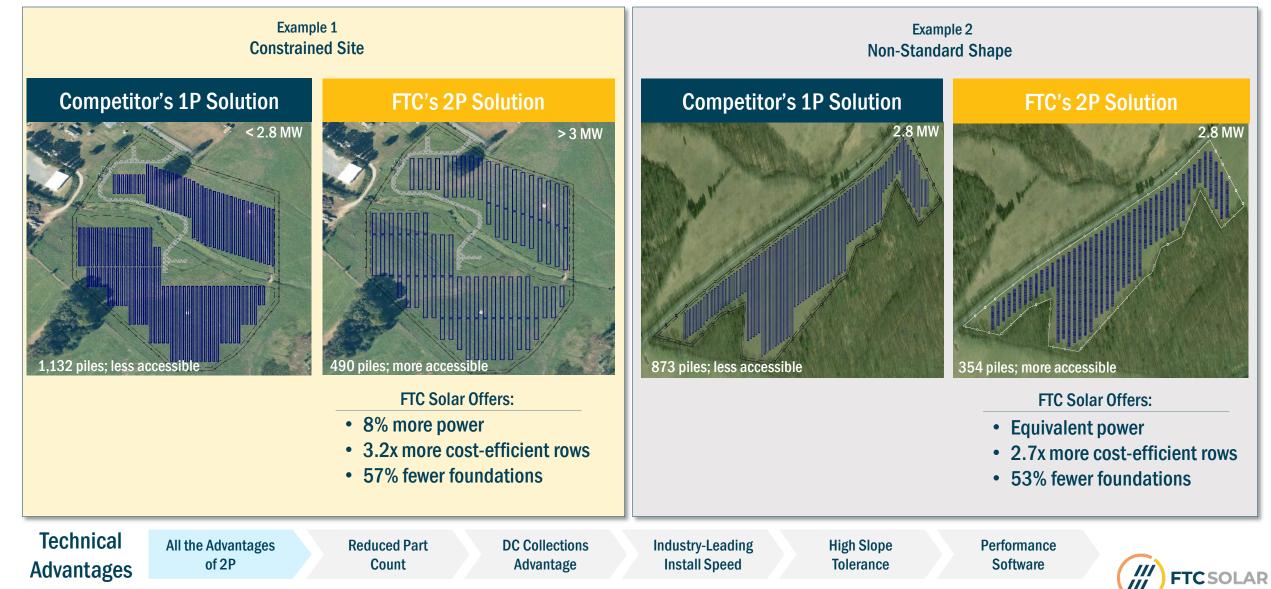
Technology & Positioning

FTC Solar 2P Solutions Offer Unique Advantages





All the Advantages of 2P – Design Flexibility & Panel Density



Note: Images depict renderings of solar module sites based on competitor's stated standard configurations and resulting module count. Actual results may differ.

All the Advantages of 2P – Site Accessibility



- ✓ 2X row spacing for equivalent panel density and ground coverage ratio
- ✓ Ease of vehicle access and mobility on site
- ✓ No physical barriers



Technical Advantages

All the Advantages of 2P

Reduced Part Count DC Collections Advantage

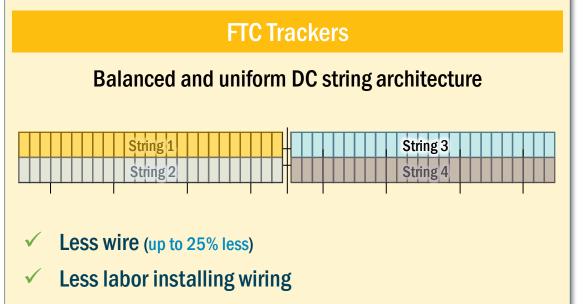
Industry-Leading Install Speed High Slope Tolerance Performance Software



B Reduced Part Count (Illustrative examples)



Direct Current Collections Advantage



✓ More power collected on bifacial panels

Competitor Trackers

Unbalanced DC string architecture

1P String 1 String 2 String 2

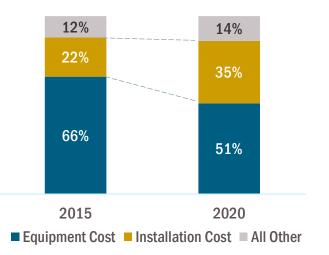
2P	String 1		String 3
	String 2		



Industry-Leading Install Speed and Low Labor Costs

FTC's reduced installation time, together with savings on materials due to our design methodologies, can result in <u>1.5-2.0 cents per watt</u> of cost savings for customers vs. leading 1P and 2P competitors¹

Labor is Significant (and Growing) Contributor to Total Project Cost ²



	FTC Solar (Voyager)	Competitor 1	Competitor 2	Competitor 3
Installation Time ³	2P	1P	2P	2P
	211	451	450	413
Special tools required?	No	Yes	Yes	Yes

32% reduction in average install Fewer tools \checkmark Integrated "speed slot" time in 2020 alone vs. 2019 module rail quickly retains Fewer connection points \checkmark and aligns panels Lean installation methods Patented panel connection features \checkmark **Technical** All the Advantages **Reduced Part DC Collections** Industry-Leading Performance **High Slope** of 2P Software Count Install Speed Tolerance Advantage Advantages **FTC SOLAR**

1. In the United States, Australia and parts of Europe. - 2020 Eclipse-M report, FTC Solar estimates. 2. Wood Mackenzie June 2020 3. Eclipse-M

High Slope Tolerance

FTC Solar tracker's slope tolerance is among best in the industry

- ✓ Independent row design allows for simple installation on undulating and irregular site boundaries
- ✓ Minimizes or eliminates land grading expense

Slope Tolerance for Undulating Terrains

	FTC Solar	Competitor A	Competitor B	Competitor C
Slope Tolerance ¹	17.5%	15%	15%	17%

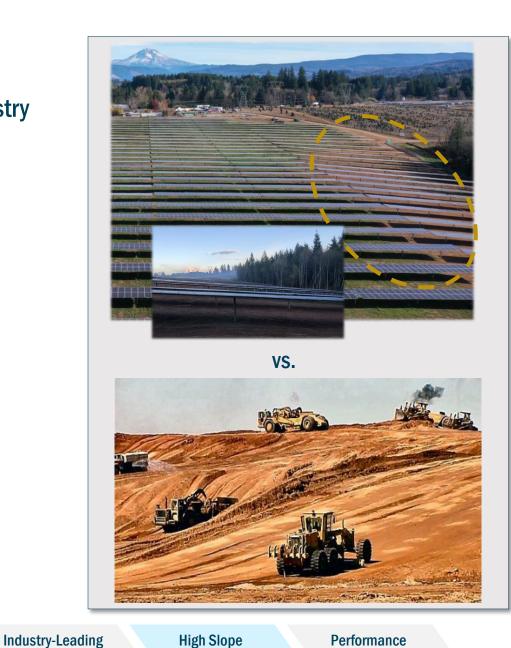
Reduced Part

Count

DC Collections

Advantage

Install Speed



Software

Tolerance

Based on standard configurations

All the Advantages

of 2P

Technical

Advantages

FTCSOLAR

New Pioneer 1P Tracker

Reduced Pile Count

Can reduce piles by 18% or more, significantly reducing capital expenditure and potential rework from refusals

• Higher Energy Density

Shorter row length enables up to 5% greater energy output for a given parcel of land

• Fast Assembly

Proprietary fast-module hang technology, fewer fasteners save time, "Python Clips" no threaded fasteners, torquing or TT penetrations

Reduced Embedment Depth

Zero-degree stow allows for shorter pile embedment depth, with resulting material and labor cost savings

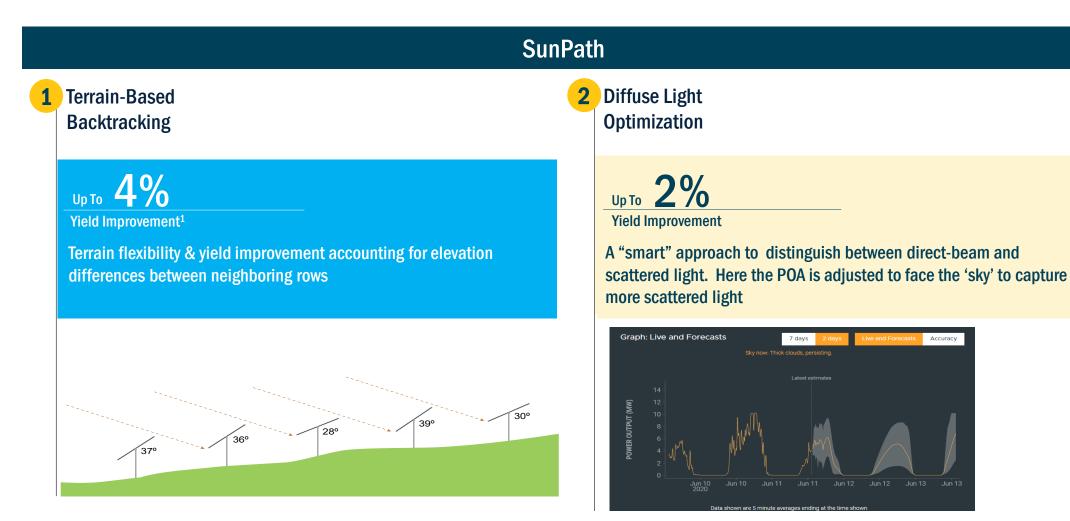
• High Slope Tolerance

Including 17.5% north-south tracker row allowance

Product	Module size	Module count	String Count	Pile count/ Row (120mph)	Pile Count/ MW	Module Pile (120mph)	Row Length	Power Density
Pioneer	550	84	3	11	239	7.6	96m	
Competitor #1	550	84	3	13	<mark>281</mark> +18%	6.5	101m	-5%
Competitor #2	550	84	3	15	324 +26%	5.6	97m	-1%



Performance Software



DC Collections

Advantage

Industry-Leading

Install Speed

High Slope

Tolerance

Performance

Software

1. Third party verified by Leidos.

Technical

Advantages

All the Advantages

of 2P

Reduced Part

Count

FTCSOLAR

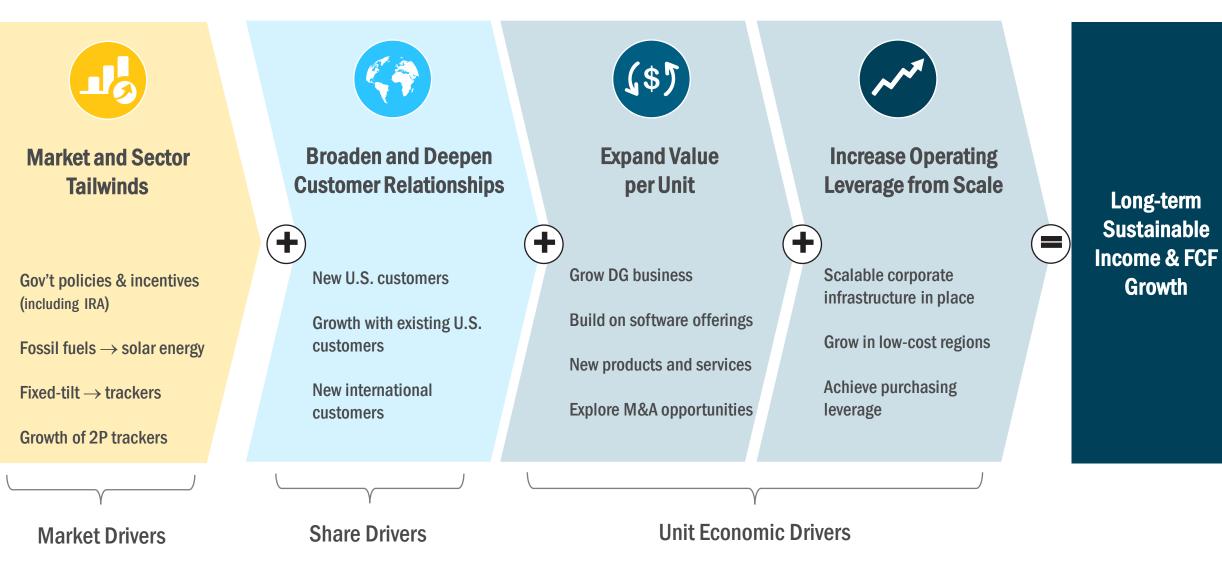
Intellectual Property Overview

Core US Patents	 Protect functional aspects of Voyager mounting and cleaning systems Patents issued include: Speed slot module attachment Different drive train architectures Synthetic resin bearings that can support North/South slopes Diffuse light backtracking Pending applications include: Terrain-based backtracking Partially and fully locked solutions using dampers Adaptive range-of-motion management for snow, sand, flood
Core International Patents	 Patents issued in Korea and Canada for Voyager solar generating apparatus with mounting, tracker and bearing assemblies Foreign patents pending in multiple countries, including on: Speed slot attachments, Different drive-train architectures, bearings Adaptive range-of-motion, terrain based back-tracking and diffuse-light back-tracking Partially and fully locked solutions using dampers
Other Patents	 Patents issued to protect functional aspects of SUNDAT solar design software Pending applications in China, India and Mexico Additional patents on multiple other technologies





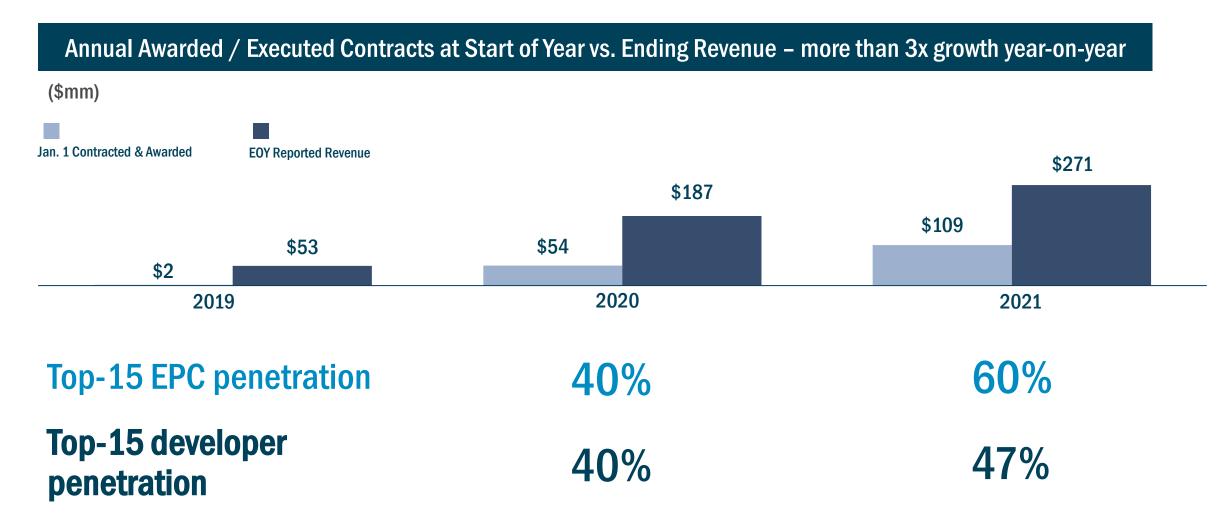
Multiple Growth Drivers for Further Upside





Growth

U.S.: Backlog, Revenue Growth; Progress w/Key Customers





Margin Improvement – Cost Roadmap

Example Initiatives/highlights

- Design to value initiatives that reduce material needed to produce Voyager tracker systems
 - Dynamic modeling to identify materials reduction opportunities
 - Design optimization to reduce manufacturing costs
 - R&D to improve damping capacity to reduce overall structure cost
- Procurement initiatives to optimize supply chain costs
 - Expand supplier base
 - Improve manufacturing efficiency
 - Avoidance of tariffs
- High volume manufacturing creates purchasing leverage as we continue to scale production, driven by steel and other components



Key Takeaways

- 1. Pipeline at record levels 90 gigawatts¹
 - Including 90% international growth first 9 months of 2022
- 2. Backlog approaching \$1 billion mark (\$961m)¹, growing nicely
 - \$203m added August 9-November 9, \$165m of which is not impacted by UFLPA
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Q3 Financial Performance

(in thousands, except per share data and percentages)

	GAAP			Non-GAAP					
	Three months ended September 30,								
(in thousands, except per share data)		2022		2021		2022		2021	
Revenue	\$	16,572	\$	52,989	\$	16,572	\$	52,989	
Gross margin percentage		(57.4%)	(15.2%))	(49.8%)	(14.5%)	
Total operating expenses	\$	17,179	\$	14,731	\$	9,147	\$	8,412	
Loss from operations ^(a)	\$	(26,694)	\$	(22,770)	\$	(17,734)	\$	(16,091)	
Net loss	\$	(25,636)	\$	(22,915)	\$	(17,748)	\$	(16,313)	
Diluted loss per share	\$	(0.25)	\$	(0.24)	\$	(0.17)	\$	(0.17)	
^(a) Adjusted EBITDA for Non-GAAP									



Reconciliation of Non-GAAP Gross Margin and Operating Expenses

The following table reconciles Non-GAAP gross margin for the three months ended September 30, 2022, and 2021, respectively:

	Three months ended September 30,						
(in thousands, except percentages)		2022			2021		
GAAP revenue		\$	16,572	\$	52,989		
GAAP gross profit (loss)		\$	(9,515)	\$	(8,039)		
Depreciation expense			116		31		
Stock-based compensation			1,153		342		
Severance							
Other costs			—		—		
Non-GAAP gross profit (loss)		\$	(8,246)	\$	(7,666)		
Non-GAAP gross margin percentage			(49.8%)		(14.5%)		

The following table reconciles GAAP operating expenses to Non-GAAP operating expenses for the three months ended September 30, 2022, and 2021, respectively:

	Three months ended September 3					
(in thousands)		2022		2021		
GAAP operating expenses		\$	17,179	\$	14,731	
Depreciation expense			(66)		(22)	
Amortization expense			(135)		_	
Stock-based compensation			(6,354)		(5,039)	
Non-routine legal fees			(842)		(988)	
Severance			(311)			
Other (costs) credits			(324)		(270)	
Non-GAAP operating expenses		\$	9,147	\$	8,412	



Reconciliation of Non-GAAP Loss from Operations

The following table reconciles GAAP loss from operations to Adjusted EBITDA for the three months ended September 30, 2022, and 2021, respectively:

	Three months ended September 30,					
(in thousands)		2022		2021		
GAAP loss from operations	\$	(26,694)	\$	(22,770)		
Depreciation expense		182		53		
Amortization expense		135				
Stock-based compensation		7,507		5,381		
Non-routine legal fees		842		988		
Severance		311		_		
Other costs		324		270		
Other income (expense)		(341)		(13)		
Adjusted EBITDA	\$	(17,734)	\$	(16,091)		



Reconciliation of Net Loss to Adjusted EBITDA and Adjusted Net Loss

The following table reconciles Net loss to Adjusted EBITDA and Adjusted Net Loss for the three months ended September 30, 2022, and 2021, respectively:

	20	22	2021			
(in thousands, except shares and per share data)	Adjusted EBITDA	Adjusted EBITDA Adjusted Net Loss		Adjusted Net Loss		
Net loss per GAAP	\$ (25,636)	\$ (25,636)	\$ (22,915)	\$ (22,915)		
Reconciling items -						
Provision (benefit) for income						
taxes	(151)	—	41	_		
Interest expense, net	160	—	301	_		
Amortization of debt issue		1.55		172		
costs in interest expense	—	177		173		
Depreciation expense	182	—	53			
Amortization of intangibles	135	135				
Stock-based compensation	7,507	7,507	5,381	5,381		
Gain from disposal of investment in unconsolidated						
subsidiary ^(a)	(1,408)	(1,408)	(210)	(210)		
Non-routine legal fees ^(b)	842	842	988	988		
Severance ^(c)	311	311	_	_		
Other costs ^(d)	324	324	270	270		
Adjusted Non-GAAP amounts	\$ (17,734)	\$ (17,748)	\$ (16,091)	\$ (16,313)		
GAAP net loss per share:						
Basic	N/A	\$ (0.25)	N/A	\$ (0.24		
Diluted	N/A	\$ (0.25)	N/A	\$ (0.24		
Adjusted Non-GAAP net loss						
per share (Adjusted EPS):						
Basic	N/A	\$ (0.17)	N/A	\$ (0.17		
Diluted	N/A	\$ (0.17)	N/A	\$ (0.17)		
Weighted-average common						
shares outstanding:						
Basic	N/A	102,164,455	N/A	94,596,519		
Diluted	N/A	102,164,455	N/A	94,596,519		

- (a) Our management excludes the gain from current year collections of contingent contractual amounts arising from the sale in 2021 of our investment in our unconsolidated subsidiary when evaluating our operating performance.
- (b) Non-routine legal fees represent legal fees and other costs incurred for matters that were not ordinary or routine to the operations of the business.
- (c) Severance costs were incurred related to agreements with certain executives due to restructuring changes.
- (d) Other costs include installment payments in both periods relating to a CEO transition event that occurred in 2021, as well as professional services associated with our IPO and a registration statement filing.



Notes to Reconciliations of Non-GAAP Financial Measures

Notes to Reconciliations of Non-GAAP Financial Measures to Nearest Comparable GAAP Measures

We utilize Adjusted EBITDA, Adjusted Net Loss, and Adjusted EPS as supplemental measures of our performance. We define Adjusted EBITDA as net loss plus (i) provision (benefit) for income taxes, (ii) interest expense, net, (iii) depreciation expense, (iv) amortization of intangibles, (v) stock-based compensation, (vi) non-routine legal fees, severance and certain other costs (credits) and (vii) the loss (income) from our unconsolidated subsidiary. We also deduct the gains from the disposal of our investment in unconsolidated subsidiary and from extinguishment of our debt from net loss in arriving at Adjusted EBITDA. We define Adjusted Net Loss as net loss plus (i) amortization of debt issue costs and intangibles, (ii) stock-based compensation, (iii) non-routine legal fees, severance and certain other costs (credits), (iv) the loss (income) from our unconsolidated subsidiary and (v) income tax expense (benefit) of adjustments. We also deduct the gains or add back the losses from the disposal of our investment in unconsolidated subsidiary and from extinguishment of our debt from net loss in arriving at Adjusted the deduct the gains or add back the losses from the disposal of our investment in unconsolidated subsidiary and from extinguishment of our debt from net loss in arriving at Adjusted Net Loss. Adjusted EPS is defined as Adjusted Net Loss on a per share basis using the weighted average diluted shares outstanding.

Adjusted EBITDA, Adjusted Net Loss, and Adjusted EPS are intended as supplemental measures of performance that are neither required by, nor presented in accordance with, U.S. generally accepted accounting principles ("GAAP"). We present Adjusted EBITDA, Adjusted Net Loss and Adjusted EPS, because we believe they assist investors and analysts in comparing our performance across reporting periods on an ongoing basis by excluding items that we do not believe are indicative of our core operating performance. In addition, we use Adjusted EBITDA, Adjusted Net Loss and Adjusted EPS to evaluate the effectiveness of our business strategies.

