

Safe Harbor

Use of Forward-Looking Statements and Non-GAAP Measures

Statements contained in this presentation may contain forward-looking statements that are based on our management's expectations, estimates, projections, beliefs and assumptions in accordance with information currently available to our management. This discussion contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements include information concerning our possible or assumed future results of operations, business strategies, technology developments, new products and services, financing and investment plans, competitive position, industry and regulatory environment, effects of acquisitions, growth opportunities, and the effects of competition. Forward-looking statements include statements that are not historical facts and can be identified by terms such as "anticipate," "believe," "could," "seek," "estimate," "may," "plan," "potential," "predict," "project," "should," "will," "would" or similar expressions and the negatives of those terms.

Forward-looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Given these uncertainties, you should not place undue reliance on forward-looking statements. Forward-looking and other statements regarding our sustainability efforts and aspirations are not an indication that these statements are necessarily material to investors or requiring disclosure in our filing with the Securities and Exchange Commission ("SEC"). In addition, historical, current and forward-looking sustainability-related statements may be based on standards for measuring progress that are still developing, internal controls and processes that continue to evolve and assumptions that are subject to change in the future, including future rule-making. Also, forward-looking statements represent our management's beliefs and assumptions only as of the date of this presentation. Important factors that could cause actual results to differ materially from our expectations include: future demand for renewable energy including solar energy solutions: our ability to forecast demand for our products accurately and to match production to such demand as well as our customers' ability to forecast demand based on inventory levels; macroeconomic conditions in our domestic and international markets, as well as inflation concerns, rising interest rates, and recessionary concerns; the retail price of electricity derived from the utility grid or alternative energy sources; interest rates and supply of capital in the global financial markets in general and in the solar market specifically; competition, including introductions of power optimizer, inverter and solar photovoltaic system monitoring products by our competitors; developments in alternative technologies or improvements in distributed solar energy generation; historic cyclicality of the solar industry and periodic downturns; product quality or performance problems in our products; shortages, delays, price changes, or cessation of operations or production affecting our suppliers of key components; delays, disruptions, and quality control problems in manufacturing; our dependence upon a small number of outside contract manufacturers and limited or single source suppliers; capacity constraints, delivery schedules, manufacturing yields, and costs of our contract manufacturers and availability of components; disruption in our global supply chain and rising prices of oil and raw materials as a result of the conflict between Russia and Ukraine; performance of distributors and large installers in selling our products; consolidation in the solar industry among our customers and distributors; our ability to manage effectively the growth of our organization and expansion into new markets; our ability to recognize expected benefits from restructuring plans; any unauthorized access to, disclosure, or theft of personal information or unauthorized access to our network or other similar cyber incidents; our ability to integrate acquired businesses; disruption to our business operations due to the evolving state of war in Israel and political conditions related to the Israeli government's plans to significantly reduce the Israeli Supreme Court's judicial oversight; our dependence on ocean transportation to timely deliver our products in a cost-effective manner; fluctuations in global currency exchange rates; the impact of evolving legal and regulatory requirements, including emerging environmental, social and governance requirements; existing and future responses to and effects of pandemics, epidemics, or other health crises; changes to net metering policies or the reduction, elimination or expiration of government subsidies and economic incentives for on-grid solar energy applications; federal, state, and local regulations governing the electric utility industry with respect to solar energy; changes in tax laws, tax treaties, and regulations or the interpretation of them, including the Inflation Reduction Act; changes in the U.S. trade environment, including the imposition of import tariffs; business practices and regulatory compliance of our raw material suppliers; our ability to maintain our brand and to protect and defend our intellectual property; volatility of our stock price; our customers' financial stability, creditworthiness, and debt leverage ratio; our ability to retain key personnel and attract additional qualified personnel; our ability to effectively design, launch, market, and sell new generations of our products and services; our ability to retain, and events affecting, our major customers; our ability to service our debt; and the other factors set forth under "Item 1A. Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2023, filed on February 26, 2024, and in other documents we file from time to time with the SEC that disclose risks and uncertainties that may affect our business. The preceding list is not intended to be an exhaustive list of all of our forward-looking statements. You should not rely upon forward-looking statements are reasonable, we cannot guarantee that future results, levels of activity, performance and events and circumstances reflected in the forward-looking statements will be achieved or will occur. Except as required by law, we assume no obligation to update these forward-looking statements, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

Included in this presentation are certain financial measures that are not calculated in accordance with U.S. generally accepted accounting principles ("GAAP") that are designed to supplement, and not substitute, SolarEdge's financial information presented in accordance with GAAP. These measures include but are not limited to non-GAAP gross profit, non-GAAP gross margin, non-GAAP operating expenses, including as percentage of revenues, non-GAAP operating income, non-GAAP equity method investments income, non-GAAP net basic earnings per share, and non-GAAP diluted earnings per share. The non-GAAP equity method investments income, non-GAAP net basic earnings per share, and non-GAAP diluted earnings per share. The non-GAAP measures, as defined by SolarEdge, may not be comparable to similar non-GAAP measures presented by other companies. The Non-GAAP measures are presented in this presentation because we believe that they provide investors with a means of evaluating and understanding how SolarEdge's management evaluates the company's operating performance. The presentation of such measures, which may include adjustments to exclude non-recurring items, should not be construed as an inference of SolarEdge's future results, cash flows, or leverage will be unaffected by other non-recurring items. Refer to Appendix A for reconciliation of these non-GAAP measures to the most comparable GAAP measures.



Our vision

is to create a world powered by clean, sustainable energy.

Our mission

is to develop and scale renewable energy technologies that improve the way we generate, manage, store and use electrical power in every aspect of our lives.



Global leader in smart energy production, storage and management



3.8M+ monitored systems

126.2 M Power Optimizers shipped

53.6_{GW} Systems shipped worldwide

5.6M Inverters shipped

Serving global, diverse markets

Systems installed in countries

3.5M+ | 50%+ Homes

67,000+ of Fortune-100

Companies¹

SolarEdge Installers²

Our edge

patents granted 529 patents pending

Power electronics and engineering



Automated manufacturing



Software development, Data Science, Cyber & Security



Installer experience, service and learning services

Data as of Q1 2024

¹Have SolarEdge technology on their rooftops

² Based on the number of installer accounts on our monitoring portal

\$204.4M

GAAP Revenues

\$(108.6)M

Non-GAAP Net Income (loss)*

Financial Results
Q1/2024

\$(217.0)M

Cash Used in Operations GAAP Gross

\$(157.3)M

GAAP Net Income (loss)

(12.8)%
GAAP Gross Margin

\$ 316.3M

Cash, Deposits and Investments, Net of Debt

^{*} Non-GAAP financial measures; see definition and reconciliation in Appendix

Renewable energy transformation

13MW Wu Shan Tou Reservoir, Tainan City, Taiwan Installed by Star Energy



Electrification

Exponential increase in energy demand due to rapid growth of electric vehicles and devices.



Decarbonization

Renewables set to replace fossil fuels as the dominant source for electricity.



Digitalization

Software controlled and cyber secured energy networks.



Decentralization

Transition from centralized energy networks to distributed energy topology.



(Q) +

Transformation



Rapidly growing worldwide demand for electricity





+1.7B

Global population (+22%)* 2022-2050



80%

Urbanization increase from 55%*



86%

Capitalist | APRIL 28, 2022 (from 2022 to 2050)

Electric Vehicle Penetration from 1% to 86% 2020 – 2050**



10x

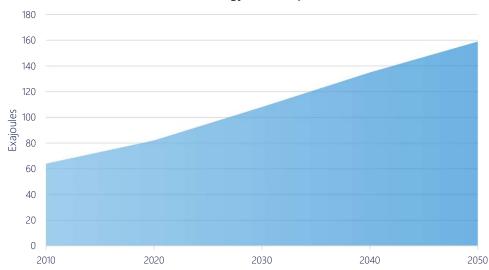
Heat Pumps Installed, from 180 to 1800 million 2020 – 2050**



^{**}Source: Net Zero by 2050 – A Roadmap for the Global Energy Sector; International Energy Agency; Revised version, October 2021 (4th revision) P 72

Highlights page 5/ Visualizing the material impact of global urbanization by Bruno Venditti, Visual

Global Energy Consumption



Source: International Energy Agency World Energy Outlook 2023 (World Final Energy Consumption) https://www.iea.org/reports/world-energy-outlook-2023



Renewables set to be the dominant electricity source





Individuals

Growing demand for electrification and drive for energy independence.



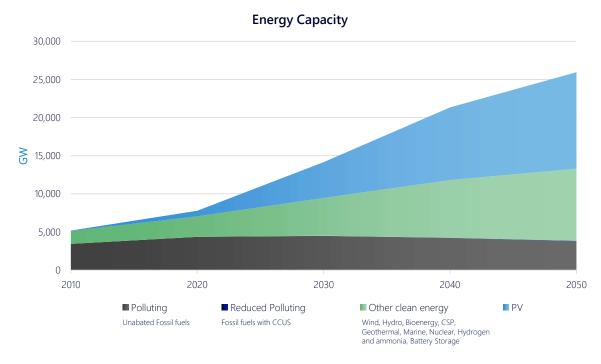
Corporations

Decarbonization commitments in most industries driven by ESG standards. "Going green" is a smart business choice.



Governments

Nation-level initiatives to decarbonize (Glasgow, Paris).



Source: International Energy Agency World Energy Outlook 2023, https://www.iea.org/reports/world-energy-outlook-2023, pages 127and 267



Digitalization



Utilities, companies and governments are increasingly scaling digital technologies as a way to create long term value.



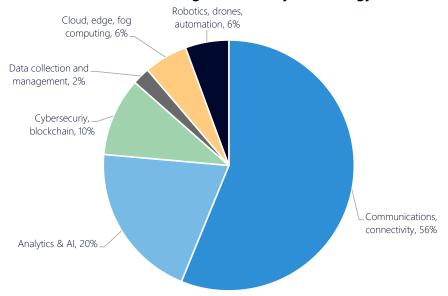
+68%

Increase in energy sector investment technologies, 2015-2022 (Total \$62B in 2022)*



*Source: IEA analysis based on data from Guidehouse, IEA: Electricity Grids and Secure Energy Transitions https://iea.blob.core.windows.net/assets/ea2ff609-8180-4312-8de9-494bcf21696d/ElectricityGridsandSecureEnergyTransitions.pdf

Power sector digitalization by technology



Source : BloombergNEF, Projects and partnerships for digital technologies in the power sector, 2H22

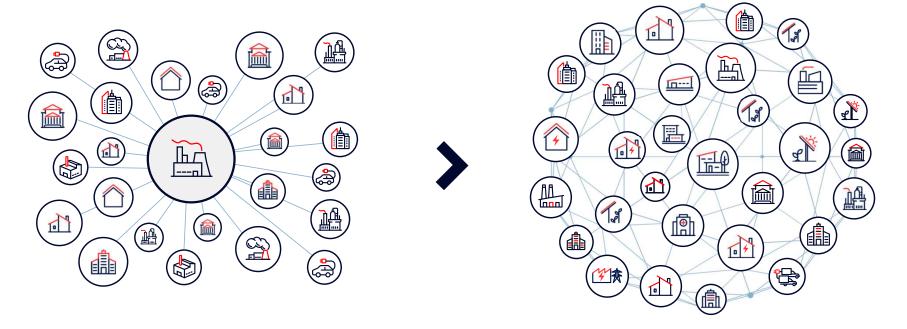


^{**} Source: Bloomberg NEF

The distributed energy transformation



In the decentralized energy network, every node can be an energy producer, consumer and storage site.









Our innovation strategy - solar and beyond

To be a leading global provider of HW, SW and services in renewable energy markets where technology will improve the production, storage and consumption of energy.

Scale Develop **Explore** Optimized Residential Commercial Energy Energy Utility Storage **Transformation Power Electronics Manufacturing Tech Battery Technology** System / Data & SW **Charging Technology** 6 9 Services **Geographic Expansion**





Residential solutions

World leader in smart energy solutions for the home







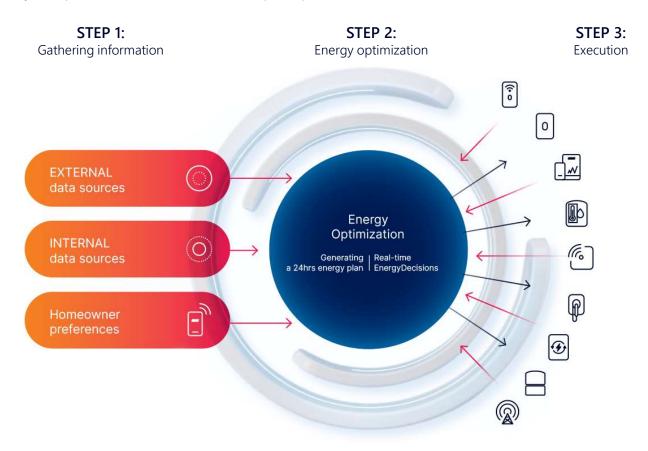






SolarEdge ONE

An energy optimization system that orchestrates the home's energy production, consumption and storage, using algorithms which analyze data such as weather forecasts, utility rate plans and homeowner consumption patterns.





The SolarEdge Installer Software Suite







Commercial solutions

World leader in smart energy solutions for commercial applications

375K+
Commercial sites





As of Q1 2024



^{**} Over 50% of Fortune-100 companies have SolarEdge technology on their rooftops

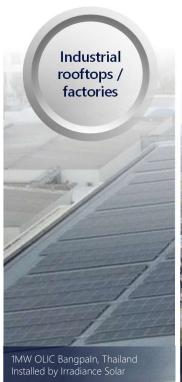
^{***}Installers of both commercial and residential will be counted twice.

Commercial solutions















Optimized Energy Ecosystem for C&I Rooftops





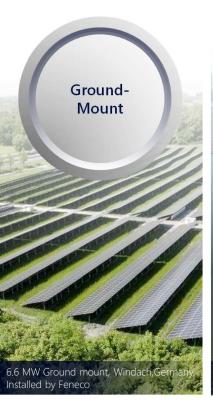


Optimized utility solutions

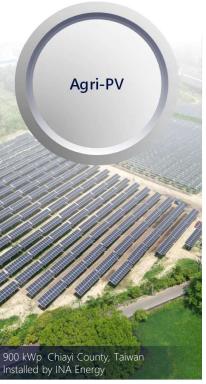
Ground Mount and Dual Use



Optimized utility solutions









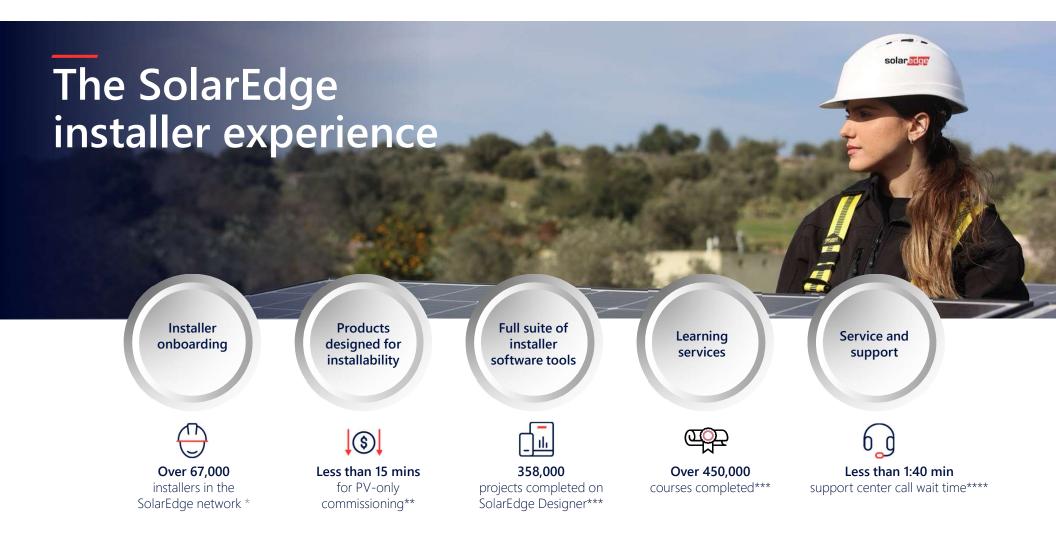


Optimized utility

Ground Mount and Dual Use







^{*} Based on the number of installer accounts on our monitoring portal ** For PV only residential installations, in selected regions

*** As of Q1 2024

^{****} Q1 2024 average wait time for call centers globally



Energy storage solutions

Premium manufacturer of high-energy, high-power, lithium-ion cells and BESS solutions for C&I and Utility markets.



Chemistry

Proprietary high-power Li-lon cell technology



Manufacturing

Two cell manufacturing plants in Korea



Products

Energy storage systems (stand alone or co-located)

solaredge

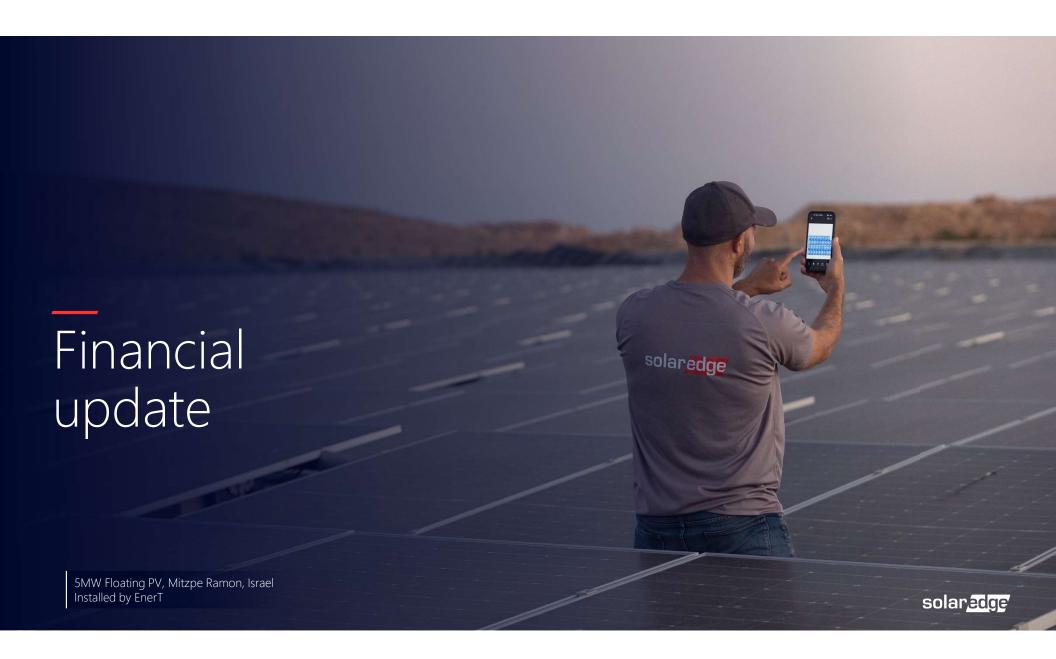
Energy storage solutions

SolarEdge Energy Storage Division is a manufacturer of high-energy, high-power, lithium-ion cells and BESS solutions for C&I and utility markets. Provides purpose-built components and solutions, hardware and software.

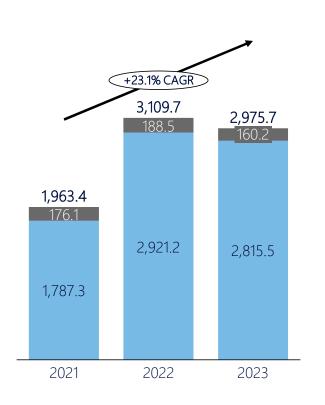
Diverse end markets across stationary energy storage (EV charging, utility, C&I), transportation (trains, trams, marine), and EPC projects. Capabilities include spinning reserves, frequency regulation, frequency response, voltage support, black-start services and rate arbitrage.

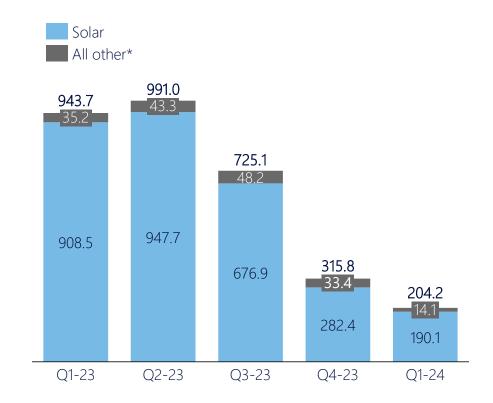






Revenues growth by segment



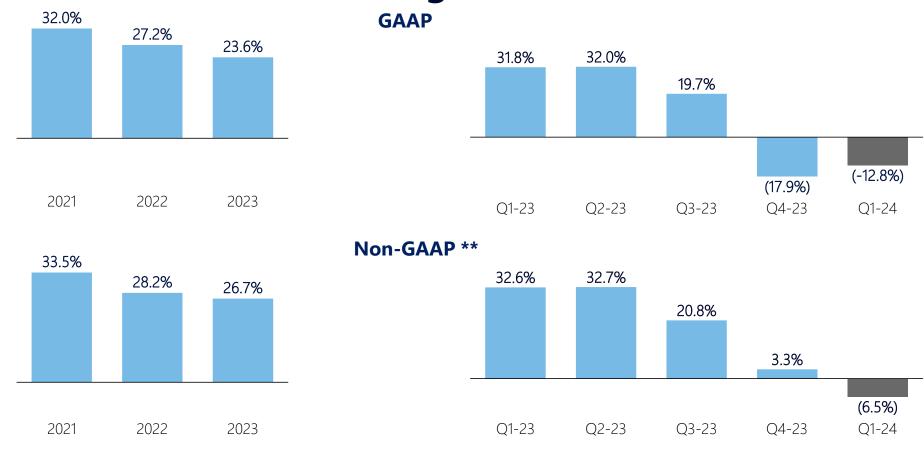


USD millions



^{*} All other refers to energy storage and automation machines 27

Consolidated* Gross Margin

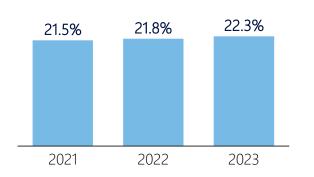


^{*} For purposes of this presentation, "consolidated" refers to solar, energy storage, and "all other" segments

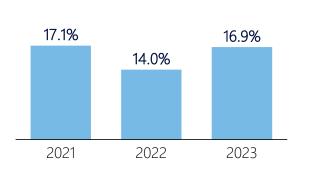
** Non-GAAP financial measures; see reconciliation in Appendix

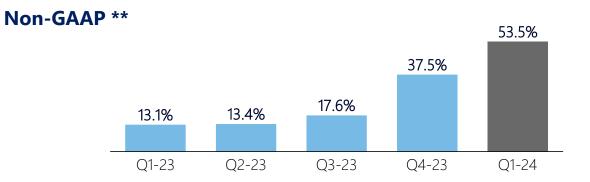


Consolidated* Operating Expenses as % of Revenues







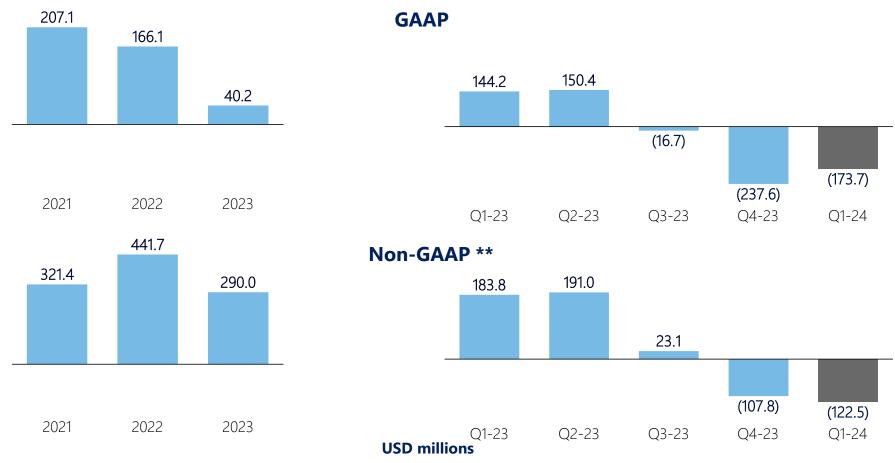


^{*} For purposes of this presentation, "consolidated" refers to solar, energy storage, and "all other" segments

** Non-GAAP financial measures; see reconciliation in Appendix



Consolidated* Operating Income (loss)

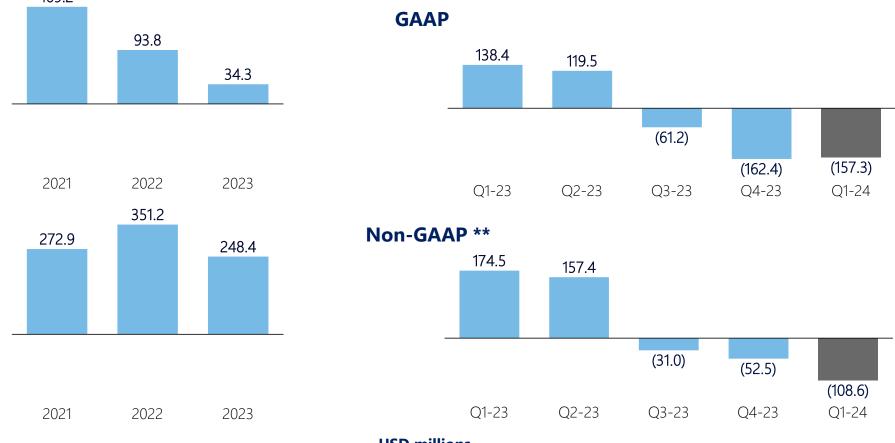


solaredge

^{*} For purposes of this presentation, "consolidated" refers to solar, energy storage, and "all other" segments

^{**} Non-GAAP financial measures; see reconciliation in Appendix

Consolidated* Net Income (loss)



USD millions



^{*} For purposes of this presentation, "consolidated" refers to solar, energy storage, and "all other" segments

^{**} Non-GAAP financial measures; see reconciliation in Appendix



	Reconciliation of GAAP to Non-GAAP Gross profit (loss)						
			Three months ended				
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023		
Gross profit (GAAP)	(26,187)	(56,425)	142,817	317,305	300,126		
Revenues from finance component	(234)	(230)	(215)	(202)	(187)		
Discontinued operation	(434)	36,648					
Stock-based compensation	5,968	5,468	5,882	5,923	5,927		
Amortization of stock-based compensation capitalized in inventories	197	343	441	316			
Amortization and depreciation of acquired asset	1,551	1,555	2,096	872	1,515		
Restructuring charges	5,822	23,154					
Gross profit (Non-GAAP)	(13,317)	10,513	151,021	324,214	307,381		

Reconciliation of GAAP to Non-GAAP Gross margin (loss)							
	Three months ended						
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023		
Gross margin (GAAP)	-12.8%	-17.9%	19.7%	32.0%	31.8%		
Revenues from finance component	-0.1%	-0.1%	0.0%	0.0%	0.0%		
Discontinued operation	-0.2%	11.6%					
Stock-based compensation	2.9%	1.8%	0.8%	0.6%	0.6%		
Amortization of stock-based compensation capitalized in inventories	0.1%	0.1%	0.0%	0.0%			
Amortization and depreciation of acquired asset	0.8%	0.5%	0.3%	0.1%	0.2%		
Restructuring charges	2.8%	7.3%					
Gross margin (Non-GAAP)	-6.5%	3.3%	20.8%	32.7%	32.6%		



Operating expenses (GAAP)

Stock-based compensation - R&D

Stock-based compensation - S&M

Stock-based compensation - G&A

Amortization and depreciation of acquired assets - R&D

Amortization and depreciation of acquired assets - S&M

Amortization and depreciation of acquired assets - G&A

Discontinued operation

Restructuring charges

Assets impairment

Gain (loss) from assets sales and disposal

Certain litigation and other contingencies

Acquisition costs

Operating expenses (Non-GAAP)

Operating income (loss) (GAAP)

Revenues from finance component

Discontinued operation

Stock-based compensation

Amortization of stock-based compensation capitalized in inventories

Amortization and depreciation of acquired assets

Restructuring charges

Assets impairment

Loss (gain) from assets sales and disposal

Certain litigation and other contingencies

Acquisition costs

Operating income (loss) (Non-GAAP)

Reconciliation of GAAP to Non-GAAP Operating expenses

		Three months ended		
March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023
147,518	181,156	159,543	166,947	155,972
(17,139)	(15,982)	(16,481)	(17,272)	(17,209)
(7,911)	(7,347)	(7,739)	(7,822)	(8,079)
(6,588)	(6,133)	(6,713)	(7,948)	(8,020)
(270)	(58)	(329)	(289)	(313)
(124)	(190)	(321)	(235)	(181)
(2)	(2)	(4)	17	(26)
47	(388)			
(3,943)				
(1,732)	(30,790)			
(1,058)	(172)			1,434
399	(1,786)			
(9)			(135)	
109,188	118,308	127,956	133,263	123,578

Reconciliation of GAAP to Non-GAAP Operating income (loss)

		Three months ended		
March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023
(173,705)	(237,581)	(16,726)	150,358	144,154
(234)	(230)	(215)	(202)	(187)
(481)	37,036			
37,606	34,930	36,815	38,965	39,235
197	343	441	316	
1,947	1,805	2,750	1,379	2,035
9,765	23,154			
1,732	30,790			
1,058	172			(1,434)
(399)	1,786			
9			135	
(122,505)	(107,795)	23,065	190,951	183,803



Reconciliation of GAAP to Non-GAAP Financial income (expense), net

			Three months ended				
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023		
Financial income (expense), net (GAAP)	(7,064)	22,055	(7,901)	3,384	23,674		
Non cash interest expense	3,536	3,422	3,284	3,105	2,892		
Currency fluctuation related to lease standard	(1,276)	4,359	(2,788)	(2,107)	(2,519)		
Financial income (expense), net (Non-GAAP)	(4,804)	29,836	(7,405)	4,382	24,047		
		Reconciliation	of GAAP to Non-GAAP Otl	ner income (loss)			
			Three months ended				
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023		
Other income (loss) (GAAP)		291	(484)		(125)		
Loss (gain) from sale of investments		(291)	484				
Other income (loss) (Non-GAAP)					(125)		
	Reconciliation of GAAP to Non-GAAP Income tax benefit (expense)						
			Three months ended				
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023		
Income tax benefit (expense) (GAAP)	23,754	53,202	(36,065)	(34,232)	(29,325)		
Income tax adjustment	(5,062)	(27,699)	(10,561)	(3,735)	(3,901)		
Income tax benefit (expense) (Non-GAAP)	18,692	25,503	(46,626)	(37,967)	(33,226)		
		Reconciliation of GA	AP to Non-GAAP equity me	thod investment income			
			Three months ended				
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023		
Equity method investments income (loss) (GAAP)	(296)	(350)					
Loss from equity method investments	296	350					
Equity method investments income (loss) (Non-GAAP)							



Reconciliation of GAAP to	Non-GAAP	Net income ((loss)
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			Three months ended		
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023
	(157,311)	(162,383)	(61,176)	119,510	138,378
Net income (loss) (GAAP)	(234)	(230)	(215)	(202)	(187)
Revenues from finance component	(481)	37,036			
Discontinued operation	37,606	34,930	36,815	38,965	39,235
Stock-based compensation	197	343	441	316	
Amortization of stock-based compensation capitalized in inventories	1,947	1,805	2,750	1,379	2,035
Amortization and depreciation of acquired assets	9,765	23,154	<i>2,130</i>		
Restructuring charges	1,732	30,790			
Assets impairment	1,058	172			(1,434)
Loss (gain) from assets sales and disposal	(399)	1,786			(1,434)
Certain litigation and other contingencies	9	ŕ		135	
Acquisition costs	3,536	3,422		3,105	
Non cash interest expense	ŕ	ŕ	3,284	ŕ	2,892
Unrealized losses (gains)	(1.276)	4.250	(2.799)	(2.107)	(2.510)
Currency fluctuation related to lease standard	(1,276)	4,359	(2,788)	(2,107)	(2,519)
Loss (gain) from sale of investments		(291)	484		
Income tax adjustment	(5,062)	(27,699)	(10,561)	(3,735)	(3,901)
equity method adjustments	296	350			
Net income (loss) (Non-GAAP)	(108,617)	(52,456)	(30,966)	157,366	174,499



Reconciliation	of GAAP	to Non-	-GAAP	Net bas	sic ear	nings ((loss)

	Three months ended					
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023	
Net basic earnings (loss) per share (GAAP)	(2.75)	(2.85)	(1.08)	2.12	2.46	
Revenues from finance component	(0.01)	(0.01)	0.00	(0.01)	0.00	
Discontinued operation	(0.01)	0.65				
Stock-based compensation	0.66	0.62	0.65	0.70	0.70	
Amortization of stock-based compensation capitalized in inventories	0.01	0.00	0.00	0.00	0.00	
Amortization and depreciation of acquired assets	0.03	0.04	0.05	0.03	0.03	
Restructuring charges	0.17	0.40				
Assets impairment	0.03	0.54				
Loss (gain) from assets sales and disposal	0.02	0.01			(0.02)	
Certain litigation and other contingencies	(0.01)	0.03				
Non cash interest expense	0.06	0.06	0.06	0.05	0.05	
Currency fluctuation related to lease standard	(0.02)	0.07	(0.05)	(0.03)	(0.05)	
Loss (gain) from sale of investments		0.00	0.01			
Income tax adjustment	(0.09)	(0.49)	(0.19)	(0.07)	(0.07)	
equity method adjustments	0.01	0.01				
Net basic earnings (loss) per share (Non-GAAP)	(1.90)	(0.92)	(0.55)	2.79	3.10	



		Reconciliation of GAAP to Non-GAAP Net diluted earnings (loss) per share						
			Three months ended					
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023			
Net diluted earnings (loss) per share (GAAP)	(2.75)	(2.85)	(1.08)	2.03	2.35			
Revenues from finance component	(0.01)	(0.01)	0.00	(0.01)	(0.01)			
Discontinued operation	(0.01)	0.65						
Stock-based compensation	0.66	0.62	0.65	0.62	0.62			
Amortization of stock-based compensation capitalized in inventories	0.01	0.00	0.00	0.00				
Amortization and depreciation of acquired assets	0.03	0.04	0.05	0.03	0.03			
Restructuring charges	0.17	0.40						
Assets impairment	0.03	0.54						
Loss (gain) from assets sales and disposal	0.02	0.01			(0.02)			
Certain litigation and other contingencies	(0.01)	0.03						
Non cash interest expense	0.06	0.06	0.06	0.04	0.04			
Currency fluctuation related to lease standard	(0.02)	0.07	(0.05)	(0.03)	(0.04)			
Loss (gain) from sale of investments		0.00	0.01					
Income tax adjustment	(0.09)	(0.49)	(0.19)	(0.06)	(0.07)			
equity method adjustments	0.01	0.01						
Net diluted earnings (loss) per share (Non-GAAP)	(1.90)	(0.92)	(0.55)	2.62	2.90			
		Reconciliatio	on of GAAP to Non-GAAP N	umber of shares				
			Three months ended					
	March 31, 2024	December 31, 2023	September 30, 2023	June 30, 2023	March 31, 2023			
Number of shares used in computing net diluted earnings (loss) per share (GAAP)	57,140,126	56,916,831	56,671,504	59,183,666	59,193,831			
Stock-based compensation				986,527.00	939,571.00			
Number of shares used in computing net diluted earnings (loss) per share (Non-GAAP)	57,140,126	56,916,831	56,671,504	60,170,193	60,133,402			



