

### **Equity Research Division**

## SolarEdge, Inc.

The backbone of every PV system

solaredge

Target Price: \$ 353.90 Current Price: \$ 304.60 Upside Potential: 16.19%

Recommendation: BUY Investment Horizon: 3 Years

Vienna, 10.06.2022

### **Team Overview**









### **Equity Research**



**Philipp Jungwirth** Head of **Equity Research** 

- Task distribution
- Story guideline



**DEEPOCEAN** 



BSc.



**Florian** Romen

**Associate** 

- Valuation
- Financial analysis



ANDRITA



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Industry analysis

Raiffeisen Bank

**Capital Times** 

**GLENCORE** 

Investment Advisory

Risks



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Company analysis

Lukas

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**Analyst** 

Financials







**Johannes** Zenkl

**Analyst** 

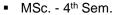
- Industry analysis
- Risks







- MSc. 2<sup>nd</sup> Sem.



■ MSc. – 2<sup>nd</sup> Sem.

BSc.

### **Share Price Performance**



Fierce competition and a volatile market-environment is resembled in SolarEdge's stock performance



#### **Share Price - Major Events**

- [1] 03.11.2020 (-22.92%) The share price crashed after the company reported earnings the day before. The company missed revenue expectations by 18% compared to the year-ago quarter.
- [2] 15.01.2021 (-15.84%) Tesla launched its own solar inverter, representing a threat to SolarEdge.
- [3] 27.10.2021 (+9.13%) Oil and gas prices continued to rise and showed no signs of coming down as winter approached. In addition, interest rates decreased.
- [4] 24.02 -28.02.2022 (+37.49%) Share price skyrocketed with Russia's invasion of Ukraine, as the continent renews efforts to reduce its reliance on Russian oil and gas supplies which accelerates global energy transition.

#### **Key Stats**

• IPO: 25.03.2015

Ticker: SEDG (NasdaqGS)

■ **52-week range:** \$200,86 – \$389,71

■ Market Cap: \$16.972 bn

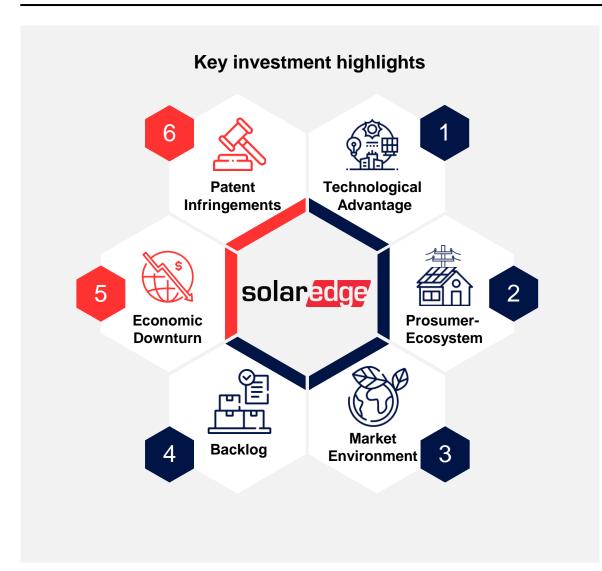


| 1 | Investment Thesis          | 4  |
|---|----------------------------|----|
| 2 | Company Overview           | 5  |
| 3 | Market & Industry Overview | 12 |
| 4 | Peer Benchmarking          | 16 |
| 5 | Valuation                  | 19 |
| 6 | Conclusion                 | 22 |
| 7 | Appendix                   | 24 |

### **Investment Thesis**



An innovator in the PV space well positioned to benefit from the paradigm shift in the energy industry



SolarEdge's technical solutions tackle common challenges the PV market is facing, enabling efficiency gains and driving down costs.

SolarEdge's unique product portfolio captures value along the entire Prosumer-Ecosystem.

Accelerating efforts targeting decarbonization and a renewables-driven distributed smart-grid creates a favorable market-environment.

Recent global turmoil has driven prices of conventional energy sources above historical highs, re-sparking demand for renewables. This is reflected in SolarEdge having a Q1 backlog amounting to over 100% of 2021 sales.

Current economic environment potentially decreases incentives to make long-term investments in PV installations on both the residential and commercial level.

As R&D focused company it is vital to protect patents to secure technological advantage. However, SolarEdge's IP is regularly challenged by various competitors in multiple jurisdictions.



### **Company Overview**









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### Company description



SolarEdge is a provider of intelligent inverter solutions for the photovoltaic industry for residential, commercial, and soon utility-scale solar PV installations

Experienced management team that has positioned SolarEdge on its high-growth trajectory



The product portfolio includes<sup>1</sup>:

- Inverter 42.17%
- Optimizer 42.19%
- Lithium-Ion battery & Software 15.64%



Operations across North America, Europe, the Middle East, Africa and Asia



Founded in 2006 and headquartered in Herzilya, Tel Aviv, Israel

#### Management team



**Zvi Lando**CEO since 2019
Joined SEDG in 2009 after
16 years at Applied Materials



Ronen Faier CFO since 2011 Held several senior finance positions

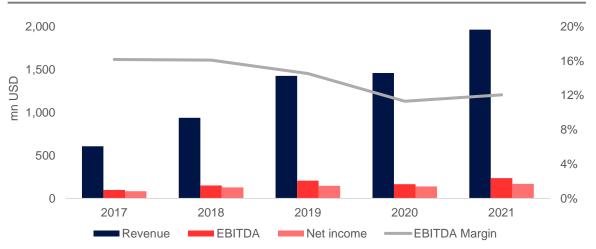


Meir Adest Co-founder, CPO since 2020 Has served as VP since 2007

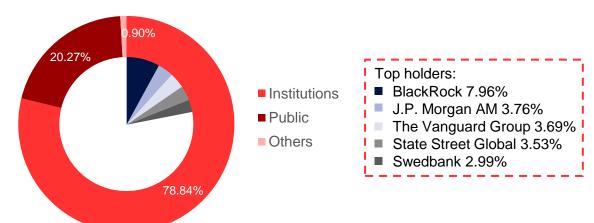


**Uri Bechor**COO since 2019
Former Senior VP at Flex

#### **Financials**



#### Shareholder structure



SolarEdge, Capital IQ, Bloomberg - 6 - | Valid until 06/10/2022 (1) Product items as percentage of total revenue FY 2021 © WUTIS - Equity Research

### **Business Model**









SolarEdge's business model heavily relies on their R&D department and innovative product portfolio

**Business Segments** 

Value Chain

#### PV - Systems



Solar-Modules are provided by third parties and equipped with optimizers.



42% of Revenues: Enhances performance of individual module.



42% of revenues: Inverters are the brain of the PV-System.

### **Smart Energy**







Production

Designed to allow system owners to increase self consumption to match peak PV production and wireless control over various home devices.

#### **Battery Segment**



Works in tandem with energy management system to max. selfconsumption & min. grid consumption and serves as backup power when the grid is off.

### **Digital Services**



Professional softwaretools from system design to monitoring. The cloud-based monitoring platform allows to view detailed performance data from tablets. phones & browsers.

#### Other



Critical Power



Automation Machines



**End User** 

eMobility

### **Product Design**

1,105 employees in R&D (Total 4,964)

Activity in e-Mobility, battery storage & energy storage systems.

Worldwide 405 issued & 397 pending patents

### Raw Materials

copper, aluminum, lithium, nickel & cobalt



# Mostly depending on





In-House



### Outsourced

Solar products produced by

# Jabil Circuit Inc. Flex Industrial.

# BILLION

### sunnova

Residential

Installers, distributors, electrical and equipment

Customers

Top 3 customers

37.8% of revenues

Commercial wholesalers



Utility

Highest margins, increasing ASP<sup>(1)</sup>, growth through

expansion into new markets

Margins vary with installation size and geography. Increasing installation rate in existing & new markets

**Start in 2023:** 

Lower margins expected, improvement through volume

### **Conventional Solar System Topologies**



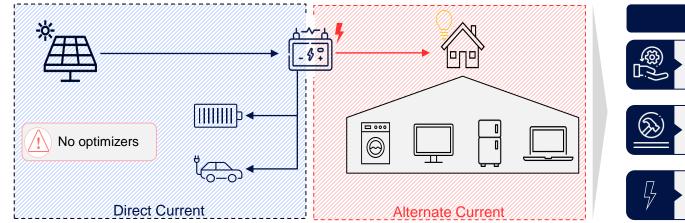


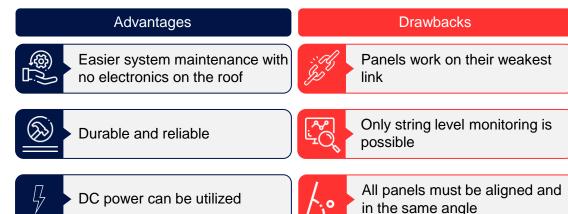




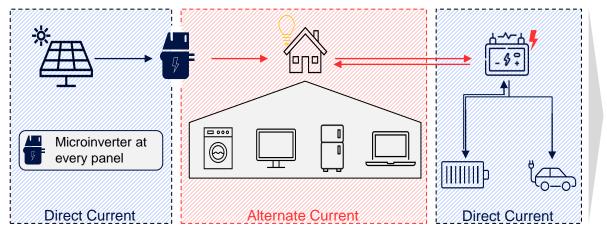
Apart from SolarEdge's topology, there are two prevalent system technologies

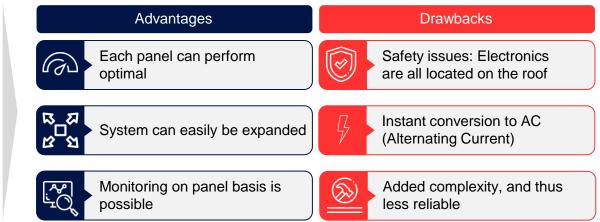
#### String Inverter – Centralised DC to AC conversion





#### Microinverter - Panel level DC to AC conversion





### The SolarEdge – "Edge"



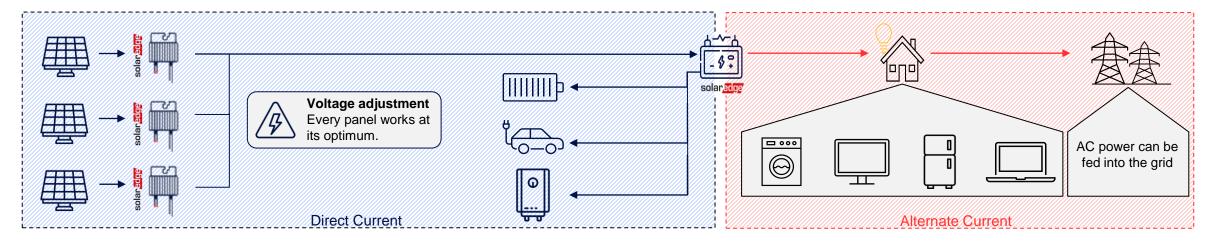






SolarEdge's topology combines the best of both worlds and creates a superior technology

#### The SolarEdge way: DC – coupled architecture



#### Resulting advantages

#### **Benefits**



#### **Accessibility**

Inverter functionality is split. The more complex – and more difficult to repair - inverter is mounted accessibly on the wall.



#### **Full roof utilization**

It is possible to mix different orientations and panel types to maximize PV power production given the available roof space.



#### **Superior safety**

Protect asset and people through automatic shutdown of the high DC voltage during installation, maintenance and emergency.



Outcome

#### **Minimizing conversions**

Only one conversion from AC to DC is needed Saves ~ 8% of the energy generated.



#### Independent from weakest link

Maximized output from each individual module through optimizers.



#### Ease of maintenance

Trough monitoring, faulty modules or strings can be identified rapidly.



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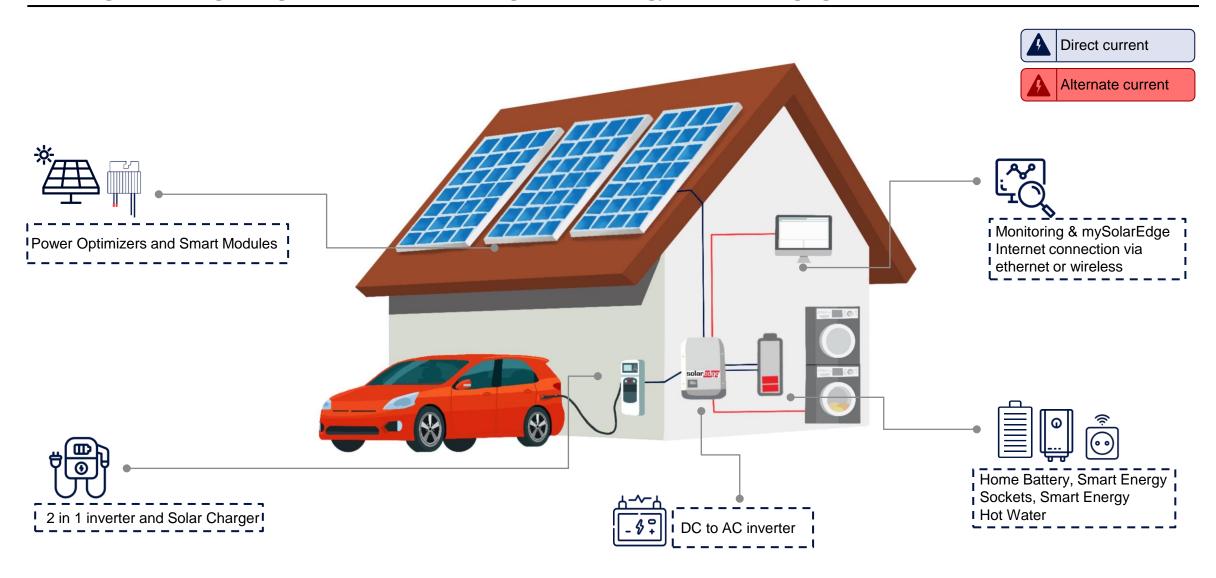
### **Product Ecosystem**

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SolarEdge is offering a single solution for PV, storage, smart energy and EV charging

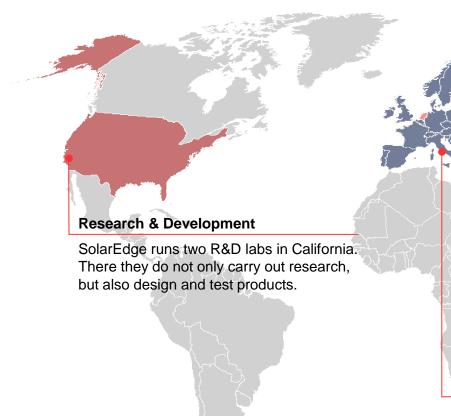


### **Global Operations**



Through recent acquisitions SEDG expanded their product and regional portfolio

#### Key sites



#### **Lithium-Ion Batteries**

With the acquisition of Kokam, the main battery manufacturing site is located in South Korea.

#### Headquarter in Israel

Besides the HQ SolarEdge also operates R&D and manufacturing centers in Israel.

#### SolarEdge eMobility & Automation Machines

In Italy SolarEdge eMobility develops, designs and produces batteries for the automotive industry. Automation Machines is specializing in cutting, welding & stitching machinery.

#### Company timeline



**M&A:** I.E.T Spa S.M.R.E Spa

Kokam



Launch: mySolarEdge application



**Launch:** Residential battery

4<sup>th</sup> generation power optimizer

#### Plans for 2022:



New production partnership in Mexico



**Sella 2** - New manufacturing plant in Korea

2020

202

2022

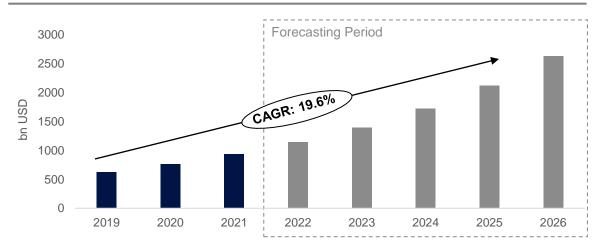


### **Market Overview I**

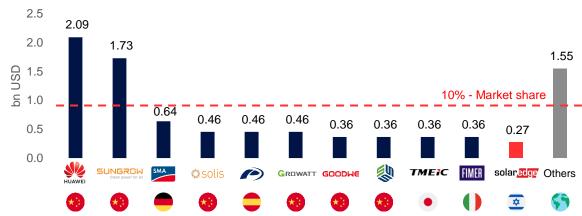


Decarbonization and prosumer trend accelerates PV market growth in the coming years

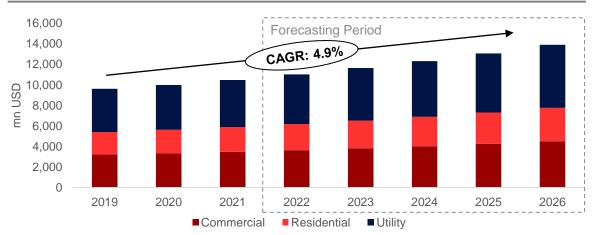
#### Photovoltaic market size



#### Competitors' market share of PV inverters



#### PV Inverter market size per segment



#### Porter's five forces



High degree of **rivalry** through fierce industry competitors, engaging in competitive actions to gain market share.



**Buyer power** is moderate. Quality of products is important to buyers, implying lower price sensitivity of buyers in the PV industry.



Low **supplier power** through fairly standardized products and no credible thread towards forward-integration.



Low **threat** of **new entrants** due to high capital requirements and high product differentiation.



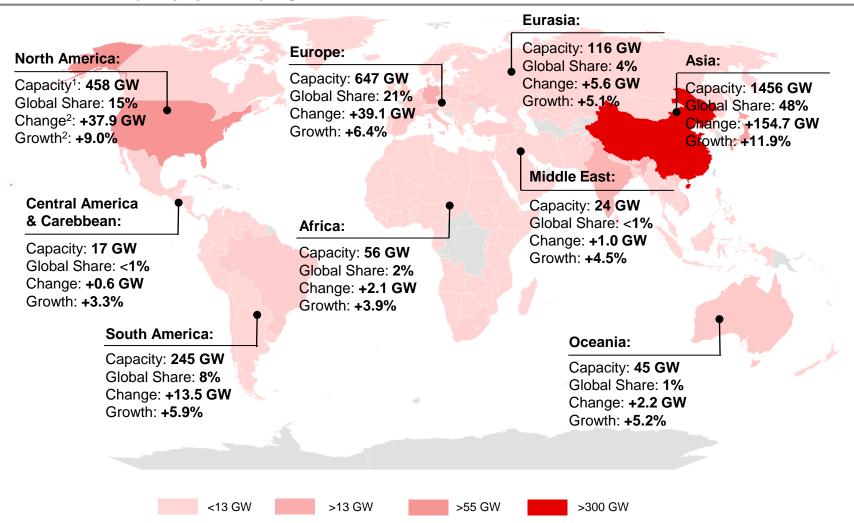
Low **threat** of **substitution** due to non-availability of reasonable product substitutes in regard to ecological and economic viability.

### **Market Overview II**

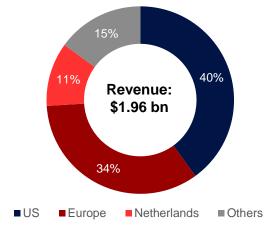


### SolarEdge's presence in high-growth regions provides solid market opportunities

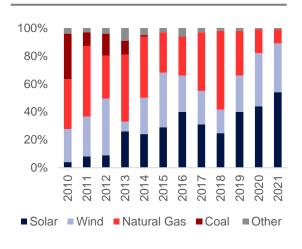
#### Installed solar capacity by country/region in 2021



#### SolarEdge revenue by region



#### **New US capacity additions**



### **Trends and Drivers**



Continuous technological advancements lead to broader adoption of PV and battery technology

#### Trends and drivers



#### Declining price and installation cost of solar PV

The cost of electricity from solar PV fell by almost threefourths between 2015-2019 and continues to decline with technological development and mass production.

#### **Growing demand for green electric power**

The changing consumer preference for a sustainable environment and ambitious targets by the government have led much of the advancement considering renewable energy.



#### **Declining lithium-ion battery prices**

Lithium-ion battery prices are falling continuously, and the price decreased by 12.8% in 2020 compared to the price in 2019.



#### Decreasing dependence and higher price stability

Renewable energies offer countries the opportunity to decouple themselves from geopolitical circumstances in terms of energy supply.



#### Stiff technological competition

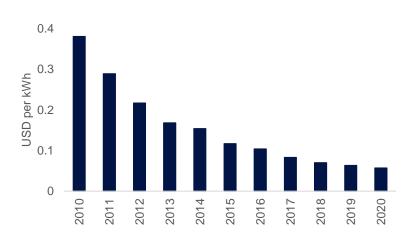
Consumers prefer efficiency over price leading to fierce competition for patents. In 2021 PV industry stands for 120 thousand patents which are 3 and 6 times higher than wind and bioenergy, respectively.



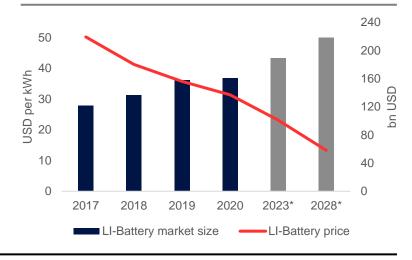
#### Rising prices of raw materials

Inverters are made of copper and aluminum which increase by 125% since March 2020, while silicon used in solar panels rose by 300% for the same period.

#### Cost of solar



#### Cost & market share of lithium-ion batteries





### **Peer Group Analysis**









The PV market has only a handful prominent inverter producers

#### Peer group overview



#### Peer group selection information



#### Photovoltaic industry

Only companies that are primarily operating in the PV industry and are publicly traded were considered for the peer group.



#### Focus on inverter, software and energy storage

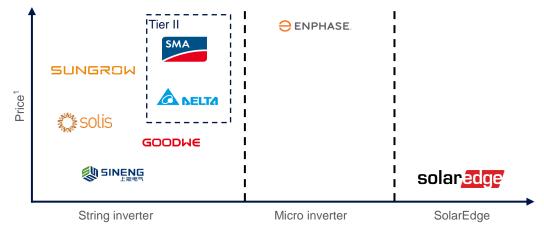
The Tier I peer group only includes companies that concentrate on the same product portfolio as SolarEdge.



#### Common theme

Companies similar in size are considered for the CCA, firms with negative metrics were excluded, to not distort multiple valuation.

#### Inverter price per typology



### **Comparable Benchmarking**



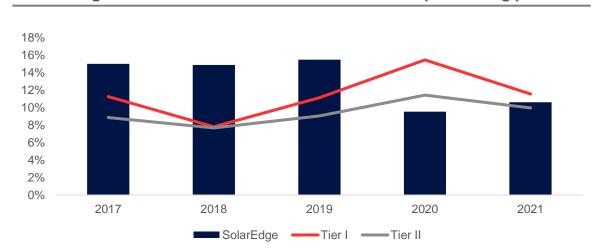




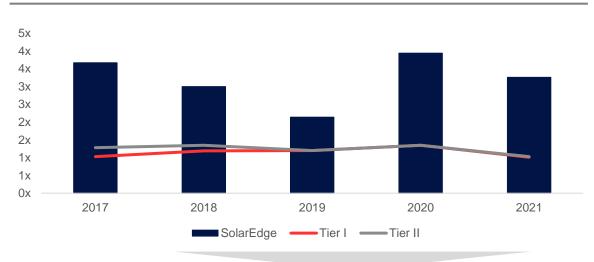
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Industry wide pressure on margins due to ongoing supply-chain issues

#### EBIT Margins decreased in 2020/21 due to increased purchasing prices



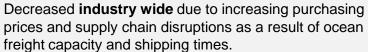
Liquidity – High quick ratio due to a increased cash position



#### Low interest free debt meets comparably high ROA



#### Margins



# Liquidity The Issua

The Issuance of bonds with **coupon of 0%** significantly increased the companies' liquidity.



#### Interest

SolarEdge does not hold any interest-bearing liabilities.

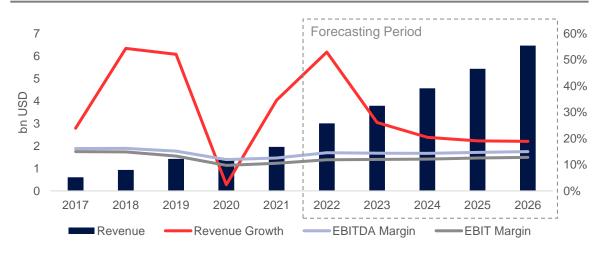


### Valuation I

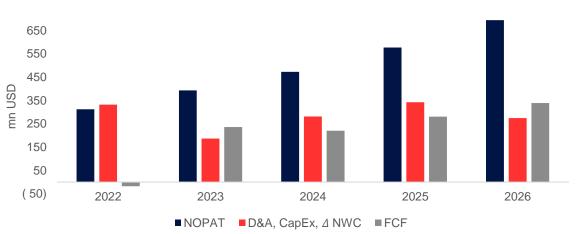


Unique technological advantage promises increased market penetration in the future

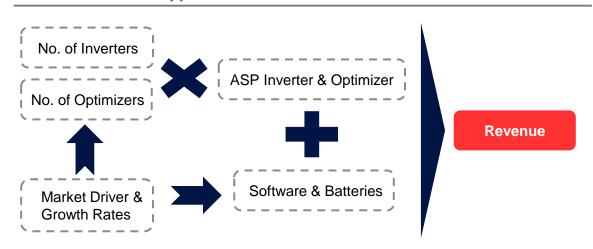
#### Revenue & margin development in the forecasting period



#### **FCF** composition



#### Revenue forecast approach



#### **Assumptions for DCF valuation**

Growth Rates: We expect continuous high growth above the market as SEDGs technology captures more market share each year.

CapEx: Further investment into new Battery Factory in South Korea, ongoing expansion of R&D equipment & machinery and in-house productions

WACC: To account for changes in capital structure, risk premia
 and interest rates we used separate WACCs for the forecasting period and the terminal value

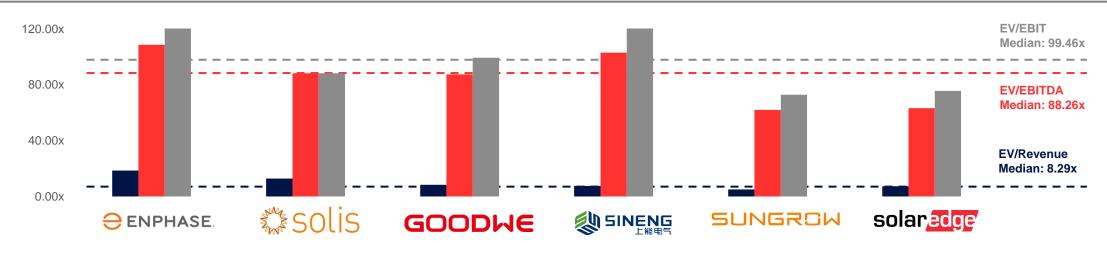
%

### Valuation II



Despite recent stock price surges there is enough room further growth

#### **Multiples Valuation**



#### **Valuation Summary**

DCF Model



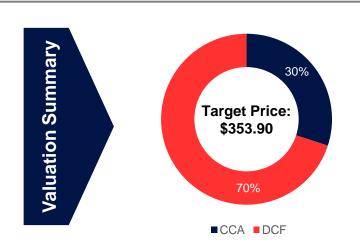
**Optimistic:** Market Share is captured at a higher pace than anticipated, contract manufacturers are able to easily increase production & fast capacity increase in lithium-ion battery production



**Base Case:** New Mexican production site provides for better penetration of American market, constantly outgrowing the market during forecast period and margins regenerate to previous levels



**Pessimistic:** Struggles to gain market share in battery business and to expand in commercial and utility business, peers manage to develop competitive solar technology





### **Conclusion**

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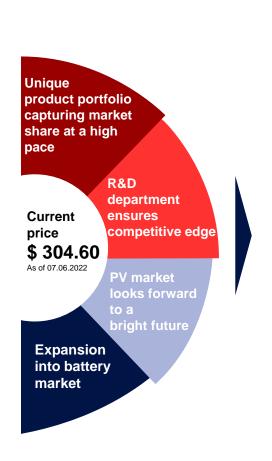






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Technological superiority coupled with a future oriented product portfolio promise significant upside potential







### **Appendix: Catalysts**









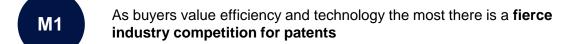
Chips and lithium squeeze can have further negative impact on sales, whereas, industry may be subsidised

| Catalyst                                   | Туре | Influenced factor     | Estimated impact on share price   |
|--|------|-----------------------|---|
| Semiconductor Chip Shortage                | Hard | Revenue<br>COGS       | Strong – Semiconductors are key components of<br>SolarEdge operations. Chip industry surveys indicate<br>inventory levels decreased from 40 to 5 since 2019<br>which may continue in 2022 and 2023.                 |
| New governmental regulations and subsidies | Soft | Revenue               | <ul> <li>Medium – Announcement of renewables tax benefits as<br/>well as government support of energy transition may<br/>accelerate the growth of PV industry.</li> </ul>   |
| Global lithium shortage and price increase | Hard | Revenue<br>COGS       | Strong – Lithium being a key component in batteries<br>widely used in PV industry increased by 438% in price<br>since 2022. Additionally, lithium extraction cannot catch<br>up with global demand.                 |
| Sustainability goals                       | Soft | Revenue<br>Operations | <ul> <li>Low – Achieving Net Zero by 2050 may drive additional<br/>investments in PV industry. Targets presented by<br/>external advisors specify solar energy as a key source<br/>among renewables.</li> </ul>     |
| IP infringements                           | Hard | Revenue<br>Reputation | <ul> <li>Medium – Patent infringement with Huawei creates<br/>reputational damage. SolarEdge operates in the<br/>industry with high probabilities of lawsuits, therefore,<br/>future cases are possible.</li> </ul> |

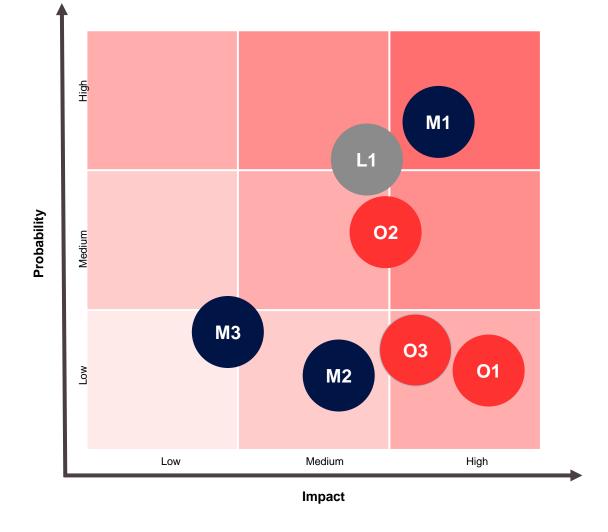
### **Appendix: Company Specific Risks**

U T I S

Competition for technology and contract manufacture dependency are key risks for SolarEdge



- Other renewable energy sources (e.g. hydrogen) become more efficient and therefore the primary source of sustainable energy
- Countries decide to withdraw government subsidy for the solar energy industry
- O1 High dependence on contract manufactures can limit future growth and poses non-influenceable operational risks when suppliers do not deliver
- O2 Decreasing margins due to increased prices in raw material, which potentially cannot be passed on to consumers
- A lack of new talent for the research and development department could lead to competitors catching up on SolarEdge's technology
- Competitive edge partly based on patents which need to be protected and enforced across jurisdictions



Market (M) - Operations (O) - Legislation (L)

### **Appendix: PESTLE Analysis**







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### SolarEdge is subjected to several risks and opportunities generated by the macro environmental factors

|                                   |   |                                       | Impact |   |  |                               |
|-----------------------------------|---|---------------------------------------|--------|---|--|-------------------------------|
| High                              | Medium  | Low                                   |        | Low   | Medium   | High                          |
| Not all countries do suppor       | t the Israeli government which export to certain countries.                   | can <b>hinder</b> SolarEdge <b>to</b> | Р      |   | ures and institutions supports r SolarEdge Technologies Ind        |                               |
| A higher inflation rate           | will lead to a decrease in the o  | lisposable income, thus               | Е      | Rising fossil fu                            | uel prices <b>accelerate renewa</b>                                | <b>ble</b> adoption.          |
| Traditional media is <b>advoc</b> | cating against independent harming energy suppliers.                          | energy production as it is            | S      |   | s more talented, skilled, and <b>pool</b> for SolarEdge Technol    |                               |
|                                   | arEdge's sector have a <b>high</b><br>up with the technological adv           |                                       |        | Decreasing prices due                       | to technology advancements customer demand.                        | lead to an <b>increase in</b> |
|                                   | pertaining to the <b>health and</b> ;<br>, which can be <b>costly</b> for the |                                       | L      |   | and other data protection law<br>anies who are only profiting b    | •                             |
|                                   | ds to more waste being gener waste management and rec                         |                                       | Е      | Countries as a whole as well renewable ener | as industries are gradually <b>n rgy</b> for operations and busine |                               |

### **Appendix: Porters Five Forces**







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### SolarEdge competitive advantage arises from a solid patent framework

#### Threat of new entrants

High capital requirements(-) Challenging regulatory environment (-)

Economies of scale driven by solid Technological development (-) High-growth market with juicy margins may attract new entrants(+)

#### **LOW THREAT**

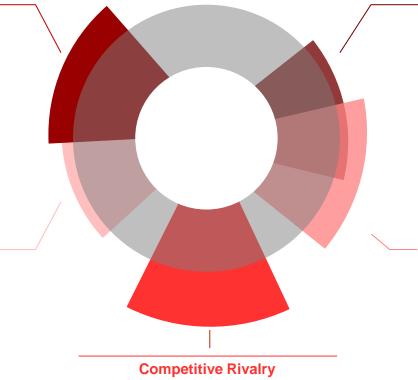
#### Threat of substitution

Very few substitutes available(-)

High switching costs (-) High product differentiation(-)

No ceiling for maximum profit(-)

**LOW THREAT** 



Product differentiation limits the acquisition of new customers
due to high fixed costs (+)
Fierce technology competition (+)
High exit barriers (+)
Government support of local firms puts pressure on foreign
players (+)

#### HIGH DEGREE OF COMPETITION

# **Bargaining Power of Buyers**

Consumers prefer quality over price meaning less price sensitivity (-) The number of buyers significantly exceeds the number of suppliers(-) High switching costs(-)

#### **MODERATE POWER**

# Bargaining Power of Suppliers

Fairly standardized products (-)
No credible threat towards forwardintegration (-)
Regulatory authorities support
suppliers(+)
High product differentiation(-)

**LOW POWER** 

### Strengths and opportunities outweigh weaknesses and threats

#### **STRENGTHS**

- SolarEdge Technologies Inc has a large strong distribution network that makes sure that its products are available easily to a large number of customers in a timely manner.
- Innovative teams have allowed it to come up with new products and enter new markets. It has been successful in past, in most of the initiatives it has taken in new markets.
- The company has been successfully able to generate positive returns on the **capital expenditure** it has incurred on various projects in the past.
- The **low cost structure** helps it produce at a low cost and sell its products at a low price, making it affordable for its customers.

- A significant proportion of the **property** that SolarEdge Technologies Inc owns is rented rather than purchased. It has to pay large amounts of rent on these adding to its costs.
- SolarEdge Technologies Inc has a higher employee turnover rate compared to competitors. This means that it has more people leaving the job, and as a result, it is spending more on training and development as employees keep leaving and joining.

#### **WEAKNESSES**

#### **OPPORTUNITIES**

- Technology comes with numerous benefits among many departments. Operations can be automated to reduce costs. Technology enables better data to be collected on customers and improves on marketing efforts.
- The population has been growing and is expected to grow at a positive rate for the upcoming years. This is beneficial for SolarEdge Technologies Inc as there will be an increase in the number of potential customers that it can target.
- More countries are emphasizing the importance of green energy.

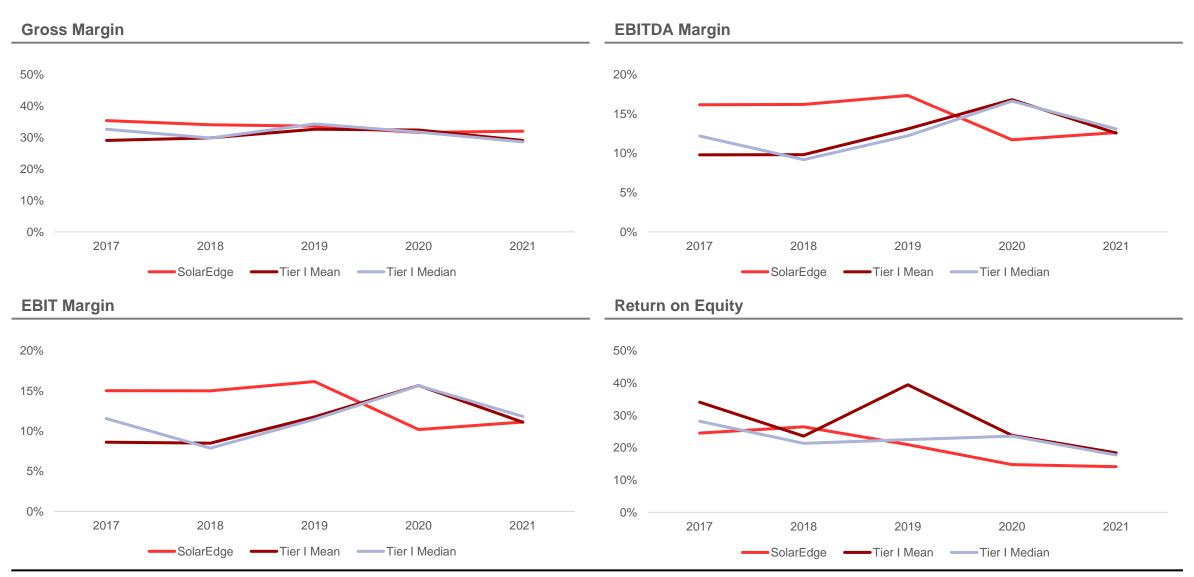
- There has been an increase in competition within the industry putting downward pressure on prices.
- The fluctuating interest rates do not provide a stable financial and economic environment.
- Material costs have increased as other industries that provide inputs for this company also have suffered from increasing fuel prices, thereby charging more.

#### **THREATS**

### **Appendix: Peers I**

W U T I S

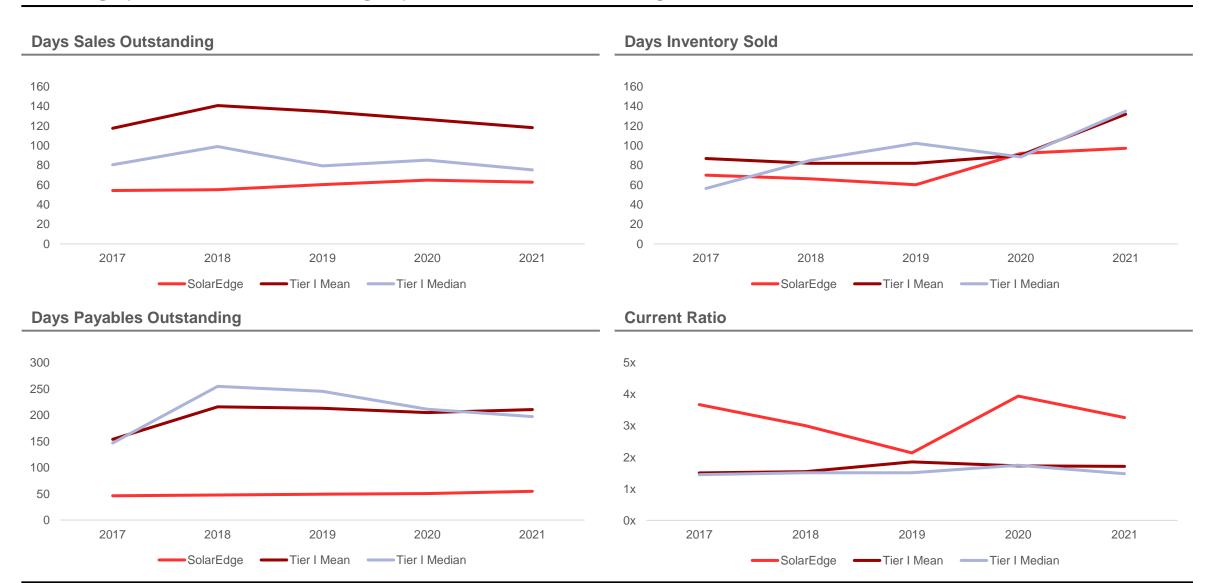
The pre-pandemic margin performance of SolarEdge is on track for a comeback



### **Appendix: Peers II**



SolarEdge performs better in working capital ratios but maintains high levels of cash

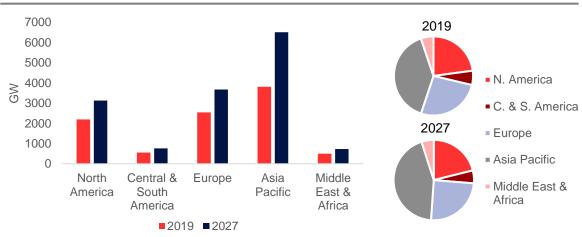


### **Appendix: Market Overview I**

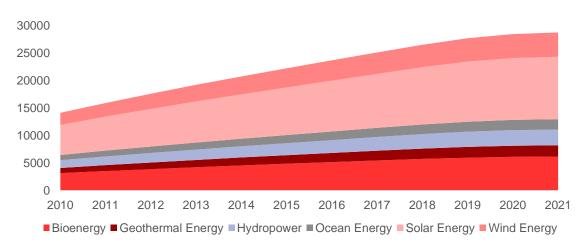


PV installation costs are decreasing due to a fall in EPC costs driven by solid technology development

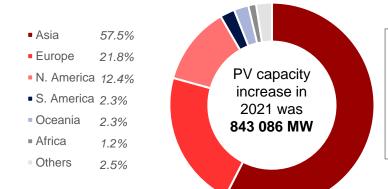
#### Installed solar capacity



### Cumulative patent fillings in renewables industry by energy source

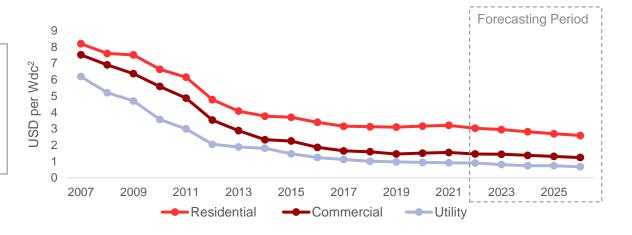


#### Newly installed PV systems per regions in MW



- Asia accounted for almost
   58% of all newly installed
   PV systems in 2021
- Overall PV market size was around \$160 bn
- Inverters account for approximately \$9.5 bn

#### PV turnkey EPC¹ pricing by market segment in US

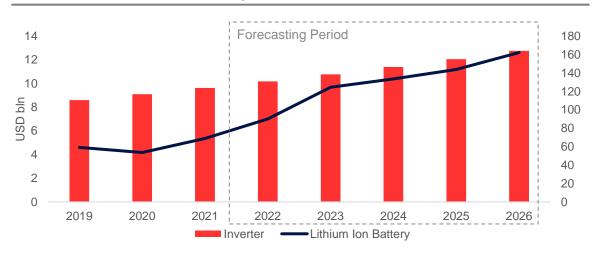


### **Appendix: Market Overview II**

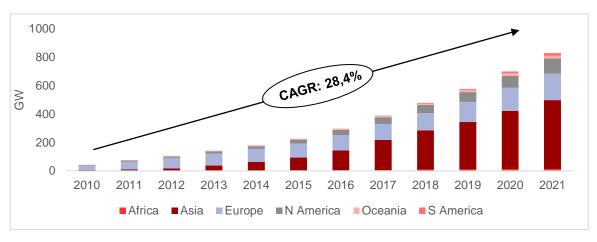
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PV market growth slowed down in 2021 due to rising raw materials costs which impacted PV modules prices

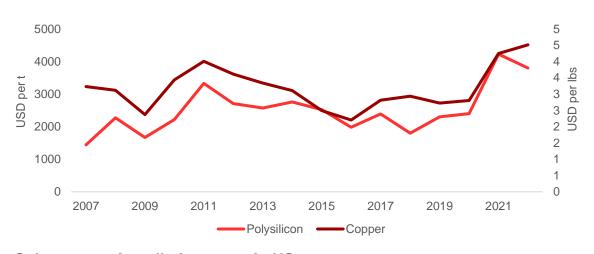
#### PV inverter/lithium-ion battery market size



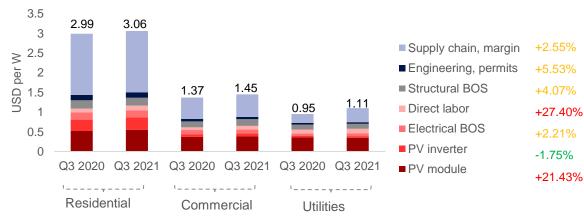
#### Electricity production from solar energy by region



#### Copper & polysilicon export prices



#### Solar system installation costs in US

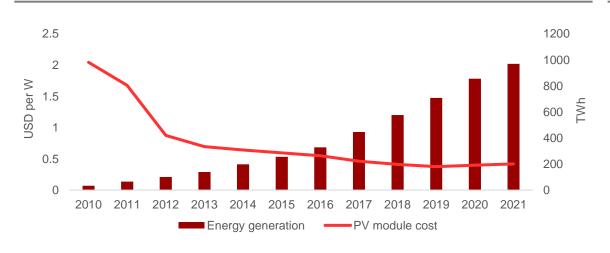


### **Appendix: Market Overview III**

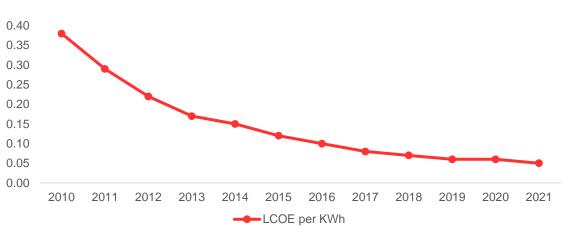


Steady investments in solar PV is driven by regular drop in net present cost of electricity generation

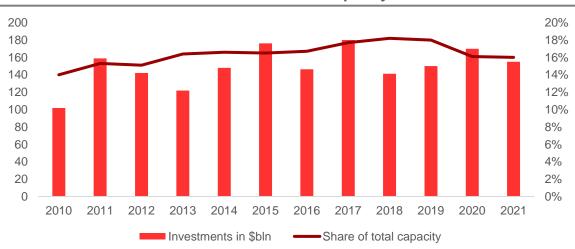
#### PV module costs & solar energy generation



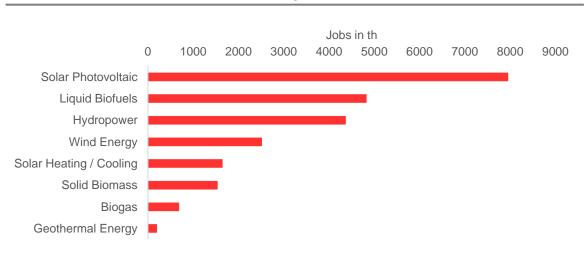
#### PV modules Levelized Cost of Energy (LCOE)



#### Solar investments & share of renewables capacity



#### Jobs available in renewables industry in 2021



## **Appendix: Valuation I**

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#### Income statement

| in thousands of \$                |         | His     | storical Results |           |           |           | For       | ecasting Period |           |           |
|-----------------------------------|---------|---------|------------------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|
| Operating Model                   | 2017    | 2018    | 2019             | 2020      | 2021      | 2022      | 2023      | 2024            | 2025      | 2026      |
| Income Statement                  |         |         |                  |           |           |           |           |                 |           |           |
| Revenues                          | 607 045 | 937 237 | 1 425 660        | 1 459 271 | 1 963 865 | 3 004 368 | 3 789 568 | 4 564 813       | 5 436 177 | 6 465 312 |
| Cost of Revenues                  | 392 279 | 618 001 | 946 322          | 997 912   | 1 334 547 | 2 017 852 | 2 524 470 | 3 016 115       | 3 562 564 | 4 202 453 |
| Gross Profit                      | 214 766 | 319 236 | 479 338          | 461 359   | 629 318   | 986 515   | 1 265 098 | 1 548 699       | 1 873 613 | 2 262 859 |
| Gross Margin                      | 35,38%  | 34,06%  | 33,62%           | 31,62%    | 32,04%    | 32,84%    | 33,38%    | 33,93%          | 34,47%    | 35,00%    |
| Operating Expenses:               |         |         |                  |           |           |           |           |                 |           |           |
| Research & Development            | 54 966  | 82 245  | 121 351          | 163 123   | 219 633   | 327 583   | 423 215   | 522 153         | 636 900   | 775 837   |
| Sales & Marketing                 | 50 032  | 68 307  | 87 984           | 95 985    | 119 000   | 188 359   | 237 587   | 287 311         | 338 300   | 404 990   |
| General & Administrative          | 18 682  | 29 264  | 49 361           | 63 119    | 82 196    | 113 381   | 149 186   | 185 119         | 216 787   | 254 634   |
| Other Operating Income (Expenses) | -       | -       | 30 696           | (3 429)   | 1 350     | 0         | 0         | 0               | 0         | 0         |
| Operating Income                  | 91 086  | 139 420 | 189 946          | 142 561   | 207 139   | 357 192   | 455 110   | 554 116         | 681 626   | 827 398   |
| Operating Margin                  | 15,00%  | 14,88%  | 13,32%           | 9,77%     | 10,55%    | 11,89%    | 12,01%    | 12,14%          | 12,54%    | 12,80%    |
| EBITDA                            | 98 241  | 152 039 | 216 841          | 174 395   | 246 674   | 437 129   | 543 939   | 651 658         | 796 485   | 964 733   |
| EBITDA Margin                     | 16,18%  | 16,22%  | 15,21%           | 11,95%    | 12,56%    | 14,55%    | 14,35%    | 14,28%          | 14,65%    | 14,92%    |
| Financial Income (Expenses)       | (9 158) | 2 297   | 11 343           | 21 105    | (19 915)  | (21 796)  | 0         | 0               | 0         | 0         |
| Income Taxes                      | 16 072  | 9 077   | 33 646           | 23 344    | 18 054    | 44 704    | 54 936    | 73 167          | 85 217    | 100 527   |
| Non-controlling Interests         | -       | 782     | 1 592            | -         | -         | -         | -         | -               | -         | -         |
| Net Income                        | 84 172  | 128 833 | 146 549          | 140 322   | 169 170   | 290 692   | 400 173   | 480 949         | 596 408   | 726 871   |
| Net Income Margin                 | 13,87%  | 13,75%  | 10,28%           | 9,62%     | 8,61%     | 9,68%     | 10,56%    | 10,54%          | 10,97%    | 11,24%    |

### Balance sheet

| in thousands of \$                                |         | Hi      | storical Results                        |           |           |           | _ For     | ecasting Period |           |               |
|---|---------|---------|---|-----------|-----------|-----------|-----------|-----------------|-----------|---------------|
| Operating Model                                   | 2017    | 2018    | 2019                                    | 2020      | 2021      | 2022      | 2023      | 2024            | 2025      | 2026          |
| Balance Sheet                                     |         |         |   | _0_0      |           |           |           |                 |           |               |
|   |         |         |   |           |           |           |           |                 |           |               |
| Assets  |         |         |   |           |           |           |           |                 |           |               |
| Current Assets                                    | 476,686 | 677,309 | 932,763                                 | 1,719,341 | 1,711,291 | 2,836,749 | 3,388,337 | 4,039,934       | 4,213,670 | 5,142,184     |
| Cash and cash equivalents                         | 163,163 | 187,764 | 223,901                                 | 827,146   | 530,089   | 1,251,075 | 1,638,003 | 2,001,687       | 1,893,194 | 2,561,737     |
| Short-term bank deposits                          | -       | 9,870   | 5,010                                   | -         | -         | -         | -         | -               | -         | -             |
| Restricted bank deposits                          | 1,516   | 824     | 27,558                                  | -         | -         | -         | -         | -               | -         | -             |
| Marketable securities                             | 77,264  | 118,680 | 91,845                                  | 143,687   | 167,728   | 167,728   | 167,728   | 167,728         | 167,728   | 167,728       |
| Trade receivables                                 | 109,528 | 173,579 | 298,383                                 | 218,706   | 456,339   | 663,212   | 686,669   | 794,057         | 898,351   | 1,068,420     |
| Inventories                                       | 82,992  | 141,519 | 170,798                                 | 331,696   | 380,143   | 499,734   | 562,681   | 638,651         | 716,642   | 752,371       |
| Prepaid expenses and other current assets         | 42,223  | 45,073  | 115,268                                 | 198,106   | 176,992   | 254,999   | 333,255   | 437,811         | 537,754   | 591,928       |
| Non-current Assets                                | 164,619 | 287,163 | 561,861                                 | 717,768   | 1,180,769 | 1,284,428 | 1,405,105 | 1,546,320       | 1,703,471 | 1,876,790     |
| Marketable securities                             | 103,120 | 74,256  | 119,176                                 | 147,434   | 482,228   | 482,228   | 482,228   | 482,228         | 482,228   | 482,228       |
| Deferred tax assets                               | 8,340   | 14,699  | 16,298                                  | 11,676    | 27,572    | 27,572    | 27,572    | 27,572          | 27,572    | 27,572        |
| Property, plant and equipment                     | 51,182  | 119,329 | 176,963                                 | 303,408   | 410,379   | 514,038   | 634,715   | 775,930         | 933,081   | 1,106,400     |
| Operating lease right-of-use assets               | -       | -       | 35,858                                  | 41,600    | 47,137    | 47,137    | 47,137    | 47,137          | 47,137    | 47,137        |
| Intangible assets                                 | 1,115   | 38,504  | 74,008                                  | 67,818    | 58,861    | 58,861    | 58,861    | 58,861          | 58,861    | 58,861        |
| Goodwill  | -       | 34,874  | 129,654                                 | 140,479   | 129,629   | 129,629   | 129,629   | 129,629         | 129,629   | 129,629       |
| Other long-term assets                            | 862     | 5,501   | 9,904                                   | 5,353     | 24,963    | 24,963    | 24,963    | 24,963          | 24,963    | 24,963        |
| Total Assets                                      | 641,305 | 964,472 | 1,494,624                               | 2,437,109 | 2,892,060 | 4,121,176 | 4,793,442 | 5,586,254       | 5,917,140 | 7,018,973     |
|   |         |         |   |           |           |           |           |                 |           |               |
| Liabilities                                       |         |         |   |           |           |           |           |                 |           |               |
| Current Liabilities                               | 129,754 | 225,718 | 436,714                                 | 436,099   | 525,181   | 676,657   | 830,416   | 1,026,160       | 1,219,560 | 1,452,380     |
| Trade payables                                    | 69,488  | 107,079 | 157,148                                 | 162,051   | 252,068   | 350,193   | 436,302   | 562,974         | 698,220   | 864,812       |
| Current Maturities of bank loans                  | -       | 16,639  | 15,673                                  | -         | -         | -         | -         | -               | -         | -             |
| Employees and payroll accruals                    | 22,544  | 29,053  | 47,390                                  | 63,738    | 74,465    | 109,943   | 138,266   | 171,561         | 209,031   | 241,845       |
| Warranty obligations                              | 14,785  | 28,868  | 65,112                                  | 62,614    | 71,480    | 67,259    | 87,348    | 107,905         | 129,193   | 149,197       |
| Deferred revenues and customers advances          | 2,559   | 14,351  | 70,815                                  | 24,648    | 17,789    | 39,882    | 59,122    | 74,341          | 73,736    | 87,147        |
| Accrued expenses and other current liabilities    | 20,378  | 29,728  | 80,576                                  | 123,048   | 109,379   | 109,379   | 109,379   | 109,379         | 109,379   | 109,379       |
| Non-current Liabilities                           | 114,084 | 168,028 | 246,240                                 | 915,253   | 1,056,840 | 1,157,677 | 1,276,010 | 1,392,129       | 933,208   | 1,075,349     |
| Convertible senior notes/(Bank loans for 2018/19) | -       | 3,510   | 173                                     | 573,350   | 621,535   | 621,535   | 621,535   | 621,535         | 0         | 0             |
| Warranty obligations                              | 64,026  | 92,958  | 107,451                                 | 142,380   | 193,680   | 244,242   | 298,180   | 354,798         | 446,275   | 521,117       |
| Deferred revenues                                 | 31,453  | 60,670  | 89,982                                  | 115,372   | 151,556   | 201,831   | 266,226   | 325,728         | 396,864   | 464,163       |
| Finance lease liabilities                         | -       | -       | -                                       | 26,173    | 40,508    | 40,508    | 40,508    | 40,508          | 40,508    | 40,508        |
| Operating lease liabilities                       | -       | -       | 30,213                                  | 35,194    | 38,912    | 38,912    | 38,912    | 38,912          | 38,912    | 38,912        |
| Other long-term liabilities                       | 18,605  | 10,890  | 18,421                                  | 22,784    | 10,649    | 10,649    | 10,649    | 10,649          | 10,649    | 10,649        |
| Total Liabilities                                 | 243,838 | 393,746 | 682,954                                 | 1,351,352 | 1,582,021 | 1,834,334 | 2,106,427 | 2,418,289       | 2,152,767 | 2,527,730     |
|   |         |         |   |           |           |           |           |                 |           |               |
| Equity  |         |         |   |           |           |           |           |                 |           |               |
| Share Capital                                     | 4       | 5       | 5                                       | 5         | 5         | 6         | 6         | 6               | 6         | 6             |
| Additional paid-in capital                        | 331,902 | 371,794 | 475,792                                 | 603,891   | 687,295   | 1,373,405 | 1,373,405 | 1,373,405       | 1,373,405 | 1,373,405     |
| Accumulated other comprehensive income (loss)     | (611)   | (524)   | (1,809)                                 | 3,857     | (27,319)  | (27,319)  | (27,319)  | (27,319)        | (27,319)  | (27,319)      |
| Retained Earnings                                 | 66,172  | 191,133 | 337,682                                 | 478,004   | 650,058   | 940,750   | 1,340,923 | 1,821,872       | 2,418,281 | 3,145,152     |
| Non-controlling interests                         |         | 8,318   | - ,                                     | -,        | -         | ,         | -         |                 |           | -, -,         |
| Total Equity                                      | 397,467 | 570,726 | 811,670                                 | 1,085,757 | 1,310,039 | 2,286,842 | 2,687,015 | 3,167,964       | 3,764,373 | 4,491,244     |
| Total Liabilities & Equity                        | 641,305 | 964,472 | 1,494,624                               | 2,437,109 | 2,892,060 | 4,121,176 | 4,793,442 | 5,586,254       | 5,917,140 | 7,018,973     |
|   | . ,     |         | , | , . ,     | , ,       | , ,       | , ,       | .,,             | .,. ,     | , , , , , , , |

## **Appendix: Valuation III**

### Cash flow model

| in thousands of \$  |            | Hi                | storical Results |                         |                   |           | For       | recasting Period |           |           |
|---|------------|-------------------|------------------|-------------------------|-------------------|-----------|-----------|------------------|-----------|-----------|
| Operating Model   | 2017       | 2018              | 2019             | 2020                    | 2021              | 2022      | 2023      | 2024             | 2025      | 2026      |
| Cash Flow Statement   | 2017       | 2010              | 2013             | 2020                    | 2021              | LVLL      | LULU      | 2027             | LULJ      | -020      |
|   |            |                   |                  |                         |                   |           |           |                  |           |           |
| Cash Flow from Operating Activities   |            |                   |                  |                         |                   |           |           |                  |           |           |
| Net income  | 84,172     | 128,833           | 146,549          | 140,322                 | 169,170           | 290,692   | 400,173   | 480,949          | 596,408   | 726,871   |
| Adjustments for:  |            |                   |                  |                         |                   |           |           |                  |           |           |
| Depreciation of property, plant and equipment   | 7,011      | 11,426            | 17,261           | 22,355                  | 29,359            | 69,181    | 78,089    | 87,366           | 105,717   | 128,979   |
| Amortization of intangible assets   | 144        | 1,193             | 9,634            | 9,479                   | 10,176            | 10,755    | 10,741    | 10,176           | 9,142     | 8,356     |
| Amortization of debt discount & debt issuance costs                                     |            |                   | -                | 3,185                   | 2,903             | 0         | 0         | 0                | 0         | 0         |
| Amortization of premium and accretion of discount c                                     | 2,061      | 1,242             | 92               | 1,168                   | 9,462             | 0         | 0         | 0                | 0         | 0         |
| Stock-based compensation expenses   | 17,564     | 30,618            | 60,353           | 67,309                  | 102,593           | 34,107    | 0         | 0                | 0         | 0         |
| Deferred income taxes   | (5,455)    | (7,093)           | (6,037)          | (2,738)                 | (12,045)          | 0         | 0         | 0                | 0         | 0         |
| Exchange rate fluctuations and other items  | -          | =                 |                  | 3,860                   | 20,697            | 0         | 0         | 0                | 0         | 0         |
| Loss from sale of business  | -          | -                 | 5,269            | =                       | =                 | -         | =         | -                | -         | -         |
| Other expenses (income)   | (994)      | 551               | 713              | -                       | -                 | -         | -         | -                | -         |           |
| Operating Cash Flow before changes in working capital                                   |            |                   |                  |                         |                   |           |           |                  |           |           |
| Changes in:   |            |                   |                  |                         |                   |           |           |                  |           |           |
| Inventories   | (15,690)   | (20,178)          | (22,544)         | (149,661)               | (43,051)          | (119,591) | (62,947)  | (75,970)         | (77,991)  | (35,730)  |
| Prepaid expenses and other assets   | (20,943)   | (2,711)           | (67,323)         | (3,276)                 | (39,444)          | (78,007)  | (78,257)  | (104,556)        | (99,944)  | (54,173)  |
| Trade receivables   | (38,139)   | (60,514)          | (124,071)        | 86,538                  | (247,723)         | (206,873) | (23,457)  | (107,389)        | (104,294) | (170,069) |
| Trade payables  | 35,455     | 31,482            | 47,837           | 3,333                   | 91,709            | 98,125    | 86,109    | 126,672          | 135,246   | 166,592   |
| Employees and payroll accruals  | 9,394      | 4,583             | 18,592           | 18,315                  | 26,519            | 35,478    | 28,323    | 33,295           | 37,470    | 32,814    |
| Warranty obligations  | 20,436     | 41,878            | 50,780           | 32,274                  | 60,524            | 46,342    | 74,026    | 77,174           | 112,765   | 94,846    |
| Deferred revenues and customers advances  | 14,106     | 37,041            | 83,137           | (21,438)                | 29,936            | 72,368    | 83,635    | 74,721           | 70,531    | 80,710    |
| Other liabilities   | 27,543     | (8,485)           | 40,350           | 11,630                  | 3,344             | 0         | . 0       | 0                | 0         | . 0       |
| Net cash provided by operating activities   | 136,665    | 189,866           | 260,592          | 222,655                 | 214,129           | 252,577   | 596,435   | 602,440          | 785,053   | 979,197   |
|   |            |                   |                  |                         |                   |           |           |                  |           |           |
| Cash Flow from Investing Activities   |            |                   |                  |                         |                   |           |           |                  |           |           |
| Investment in available-for-sale marketable securitie                                   | (143,675)  | (142,627)         | (160,054)        | (223,705)               | (579,377)         | 0         | 0         | 0                | 0         | 0         |
| Proceed from sales and maturities of available-for-sa                                   | 80,269     | 129,345           | 142,744          | 141,839                 | 202,188           | 0         | 0         | 0                | 0         | 0         |
| Investment in privately-held company  | -          | -                 | -                | -                       | (16,643)          | 0         | 0         | 0                | 0         | 0         |
| Purchase of property, plant and equipment   | (21,382)   | (38,608)          | (72,562)         | (126,790)               | (149,251)         | (172,840) | (198,766) | (228,581)        | (262,868) | (302,298) |
| Purchases of other intangible assets and other assets                                   | -          | -                 | -                | -                       | -                 | (10,755)  | (10,741)  | (10,176)         | (9,142)   | (8,356)   |
| Withdrawal from (investment in) bank deposits   | -          | (9,870)           | 4,860            | (54,752)                | 60,096            | 0         | 0         | 0                | 0         | 0         |
| Withdrawal from (investment in) restricted bank der                                     | (619)      | (112)             | (26,145)         | 25,267                  | 798               | 0         | 0         | 0                | 0         | 0         |
| Business combinations, net of cash acquired   | =          | (94,737)          | (38,435)         | =                       | =                 | 0         | 0         | 0                | 0         | 0         |
| Other investing acitivities   | -          | -                 | (3,261)          | 1,504                   | (2,022)           | 0         | 0         | 0                | 0         | 0         |
| Net cash used in investing activities   | (85,407)   | (156,609)         | (152,853)        | (236,637)               | (484,211)         | (183,595) | (209,507) | (238,757)        | (272,010) | (310,654) |
| Cosh Flour from Financing Activities  |            |                   |                  |                         |                   |           |           |                  |           |           |
| Cash Flow from Financing Activities  Proceeds from second Public Offering               |            |                   |                  |                         |                   | 650,526   | 0         | 0                | 0         | 0         |
| Proceeds from second Public Offering  Penalment of bank loans (Convertible Senior Notes | -          | (2.706)           | (O E14)          | -<br>(1F FOF)           | -<br>(16.073)     | 050,526   | 0         | 0                | (621,535) | 0         |
| Repayment of bank loans/Convertible Senior Notes  | -<br>7,240 | (3,786)<br>10,021 | (9,514)          | (15,595)<br>21,500      | (16,073)<br>2,203 | 1,478     | 0         | 0                | (621,535) | 0         |
| Proceeds from exercise of stock-based awards and p                                      | 7,240      | 10,021            | 9,066            |                         | 2,203             | 1,478     | 0         | 0                | 0         | 0         |
| Proceeds from issuance of convertible senior notes Proceeds from bank loans             | -          | -                 | -<br>249         | 617,869                 | -                 | 0         | 0         | 0                | 0         | 0         |
|   | -          | (14.100)          |                  | 16,944                  | -                 | 0         | 0         | 0                | 0         | 0         |
| Change in non-controlling interests   | -          | (14,190)          | (71,486)         | (224)                   | (1.200)           | 0         | 0         | 0                | 0         | 0         |
| Other financing activities  | 7,240      | - (7.0EE)         | (1,354)          | (234)<br><b>640,484</b> | (1,308)           | 652,004   | <u> </u>  | <u> </u>         | (621,535) | 0         |
| Net cash provided (used in) financing activities  | 7,240      | (7,955)           | (73,039)         | 640,484                 | (15,178)          | 652,004   | U         | U                | (021,535) |           |
| Increase (decrease) in cash and cash equivalents  | 58,498     | 24,515            | 33,126           | 626,502                 | (285,260)         | 720,986   | 386,928   | 363,683          | (108,492) | 668,543   |
| Cash and cash equivalents at the beginning of the pe                                    | 104,683    | 163,163           | 187,764          | 223,901                 | 827,146           | 530,089   | 1,251,075 | 1,638,003        | 2,001,687 | 1,893,194 |
| Effect of exchange rate differences   | (18)       | 86                | 3,011            | (23,257)                | (11,797)          | 0         | 0         | 0                | 0         | 0         |
| Cash and cash equivalents at the end of the period                                      | 163,163    | 187,764           | 223,901          | 827,146                 | 530,089           | 1,251,075 | 1,638,003 | 2,001,687        | 1,893,194 | 2,561,737 |

## **Appendix: Valuation IV**

W U T I S

Free cash flow

| in millions of €                  |          | His      | storical Results |           |           |           | For       | ecasting Period |           |           |
|-----------------------------------|----------|----------|------------------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|
| DCF Model                         | 2017     | 2018     | 2019             | 2020      | 2021      | 2022      | 2023      | 2024            | 2025      | 2026      |
|                                   | l .      |          |                  |           |           |           |           |                 |           |           |
| Revenues                          | 607,045  | 937,237  | 1,425,660        | 1,459,271 | 1,963,865 | 3,004,368 | 3,789,568 | 4,564,813       | 5,436,177 | 6,465,312 |
| Cost of revenues                  | 392,279  | 618,001  | 946,322          | 997,912   | 1,334,547 | 2,017,852 | 2,524,470 | 3,016,115       | 3,562,564 | 4,202,453 |
| Gross Profit                      | 214,766  | 319,236  | 479,338          | 461,359   | 629,318   | 986,515   | 1,265,098 | 1,548,699       | 1,873,613 | 2,262,859 |
| Operating Expeneses               | 123,680  | 179,816  | 289,392          | 318,798   | 422,179   | 629,323   | 809,988   | 994,583         | 1,191,987 | 1,435,461 |
| EBIT                              | 91,086   | 139,420  | 189,946          | 142,561   | 207,139   | 357,192   | 455,110   | 554,116         | 681,626   | 827,398   |
| Taxes                             | 16,072   | 9,077    | 33,646           | 23,344    | 18,054    | 44,704    | 54,936    | 73,167          | 85,217    | 100,527   |
| NOPAT                             | 75,014   | 130,343  | 156,300          | 119,217   | 189,085   | 312,488   | 400,173   | 480,949         | 596,408   | 726,871   |
| +Depriciation & Amortization      | 7,011    | 11,426   | 17,261           | 22,355    | 29,359    | 69,181    | 78,089    | 87,366          | 105,717   | 128,979   |
| -CAPEX                            | 21,382   | 38,608   | 72,562           | 126,790   | 149,251   | 172,840   | 198,766   | 228,581         | 262,868   | 302,298   |
| +/- Change in Net Working Capital | (17,226) | (84,987) | (104,014)        | (76,318)  | (196,063) | (228,340) | (295)     | (56,686)        | (47,038)  | (39,206)  |
| Unlevered FCF                     | 43,417   | 18,174   | (3,015)          | (61,536)  | (126,870) | (19,510)  | 279,201   | 283,048         | 392,219   | 514,345   |
| Present Value of Unlevered FCF    |          |          |                  |           |           | (17,946)  | 236,228   | 220,283         | 280,774   | 338,680   |

### Share Price

| Terminal Value - Perpetuity Approach |            |
|--------------------------------------|------------|
| Terminal Value                       | 23,540,491 |
| Terrimar value                       | 23,340,491 |
| Present Value of Free Cash Flows     | 1,058,020  |
| Present Value of Terminal Value      | 15,941,829 |
|                                      |            |
|                                      |            |
| Valuation                            |            |
| Total Enterprise Value               | 16,999,849 |
|                                      |            |
| - Interest-Bearing Liabilities       | 0          |
| + Cash & Cash Equivalents            | 1,002,722  |
| Net Debt                             | 1,002,722  |
| Market Equity Value                  | 18,002,571 |
| Shares Outstanding                   | 53,134,937 |
|                                      |            |
| Equity Value per Share               | 338.81 \$  |
| Current Share Price                  | 304.60 \$  |
| Upside Potential                     | 11.23%     |

| WACC Calculation (Forecasting Period) |       |
|---------------------------------------|-------|
| Cost of Equity                        | 8.72% |
| Risk-free rate                        | 3.01% |
| Beta                                  | 1.13  |
| Market Risk Premium                   | 5.05% |
| Cost of Debt                          | 0%    |
| % of Debt                             | 0%    |
| % of Equity                           | 100%  |
| WACC                                  | 8.72% |

| Long-term growth rate | 6.67% |
|-----------------------|-------|
|-----------------------|-------|

| WACC Calculation (Terminal Value) |       |
|-----------------------------------|-------|
| Cost of Equity                    | 8.47% |
| Risk-free rate                    | 2.91% |
| Beta                              | 1.4   |
| Market Risk Premium               | 3.98% |
| Cost of Debt                      | 2.76% |
| % of Debt                         | 6%    |
| % of Equity                       | 94%   |
| Tax Rate                          | 23%   |
| WACC                              | 8.11% |

## **Appendix: Valuation VI**

### CCA

| Data             | Tier | Ticker        | Name                                   | Market cap E | nterprise Value | Revenue    | EBITDA    | EBIT    |
|------------------|------|---------------|--|--------------|-----------------|------------|-----------|---------|
|                  |      | NasdaqGS:SEDG | SolarEdge Technologies Inc.            | 16997.25     | 16124.97        | 2213.46    | 254.90    | 213.00  |
|                  |      |               |  |              |                 |            |           |         |
|                  | 1    | NasdaqGM:ENPH | Enphase Energy, Inc.                   | 27946.79     | 28188.81        | 1521.59    | 259.30    | 221.60  |
|                  | 1    | SZSE:300763   | Ginlong Technologies Co., Ltd.         | 7553         | 7678.9          | 599.05     | 87.00     | 87.00   |
|                  | 1    | SHSE: 688390  | Jiangsu Goodwe Power Supply Technology | 3917.3       | 3769.4          | 454.79     | 43.10     | 37.90   |
|                  | 1    | SZSE: 300827  | Sineng                                 | 1401         | 1360.6          | 181.50     | 13.20     | 11.10   |
|                  | 1    | SZSE:300274   | Sungrow Power Supply Co., Ltd.         | 20508.3      | 19819           | 3993.70    | 319.50    | 271.80  |
|                  |      |               |  |              |                 |            |           |         |
| Multiple         | Tier | Ticker        | Name                                   |              |                 | EV/Revenue | EV/EBITDA | EV/EBIT |
|                  |      | NasdaqGS:SEDG | SolarEdge Technologies Inc.            |              |                 | 7.28       | 63.26     | 75.70   |
|                  |      |               |  |              |                 |            |           |         |
|                  | 1    | NasdaqGM:ENPH | Enphase Energy, Inc.                   |              |                 | 18.53      | 108.71    | 127.21  |
|                  | 1    | SZSE:300763   | Ginlong Technologies Co., Ltd.         |              |                 | 12.82      | 88.26     | 88.26   |
|                  | 1    | SHSE: 688390  | Jiangsu Goodwe Power Supply Technology |              |                 | 8.29       | 87.46     | 99.46   |
|                  | 1    | SZSE: 300827  | Sineng                                 |              |                 | 7.50       | 103.08    | 122.58  |
|                  | 1    | SZSE:300274   | Sungrow Power Supply Co., Ltd.         |              |                 | 4.96       | 62.03     | 72.92   |
|                  |      |               |  |              |                 |            |           |         |
|                  |      |               | Min                                    |              |                 | 1.45x      | 43.26x    | 59.26x  |
|                  |      |               | 25%-percentile                         |              |                 | 4.69x      | 68.39x    | 76.75x  |
|                  |      |               | Median                                 |              |                 | 8.29x      | 88.26x    | 99.46x  |
|                  |      |               | Mean                                   |              |                 | 8.15x      | 79.44x    | 92.20x  |
|                  |      |               | 75%-percentile                         |              |                 | 10.55x     | 99.37x    | 116.80x |
|                  |      |               | Max                                    |              |                 | 18.53x     | 108.71x   | 127.21x |
| Enterprise Value | e    |               |  |              |                 | EV/Revenue | •         | EV/EBIT |
|                  |      |               | Min                                    |              |                 | 3,201      | 11,027    | 12,622  |
|                  |      |               | 25%-percentile                         |              |                 | 10,376     | 17,432    | 16,349  |
|                  |      |               | Median                                 |              |                 | 18,346     | 22,498    | 21,184  |
|                  |      |               | Mean                                   |              |                 | 18,050     | 20,249    | 19,638  |
|                  |      |               | 75%-percentile                         |              |                 | 23,359     | 25,330    | 24,878  |
|                  |      |               | Max                                    |              |                 | 41,006     | 27,710    | 27,095  |
| Share Price      |      |               |  |              |                 | EV/Revenue | EV/EBITDA | EV/EBIT |
|                  |      |               | 25%-percentile                         |              |                 | 195.3      | 328.1     | 307.7   |
|                  |      |               | Median                                 |              |                 | 345.3      | 423.4     | 398.7   |
|                  |      |               | Mean                                   |              |                 | 339.7      | 381.1     | 369.6   |
|                  |      |               | 75%-percentile                         |              |                 | 440.0      | 476.7     | 468.2   |

| Implied Share Price | 389.12       |
|---------------------|--------------|
| Current Share Price | \$<br>304.60 |
|                     | 27 75%       |

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