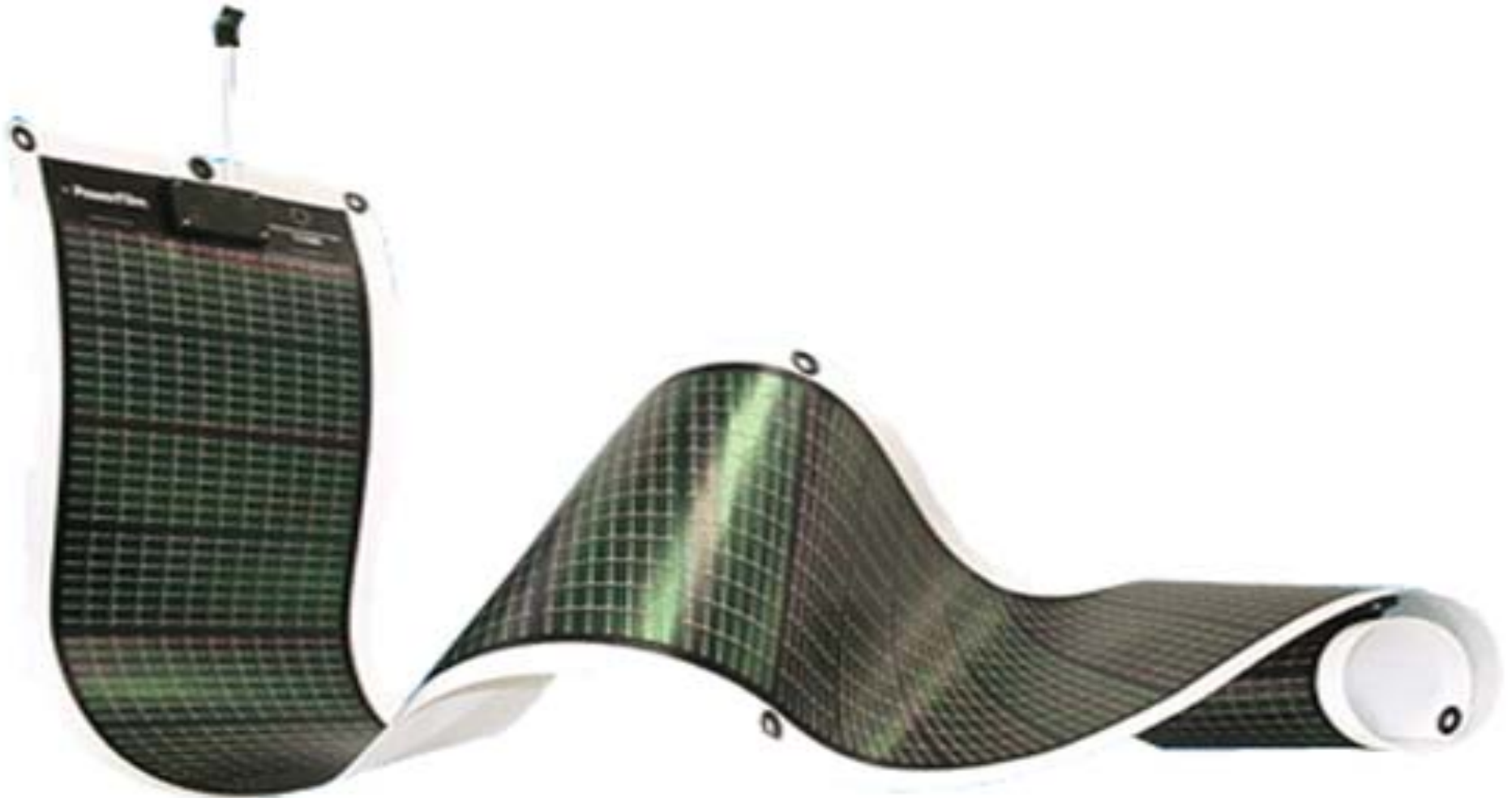


Group Members: Ariel, Elchin, Ivaylo, Paul, Saadia, Samson and Sonja
 Group Mentor: Richard Brooks

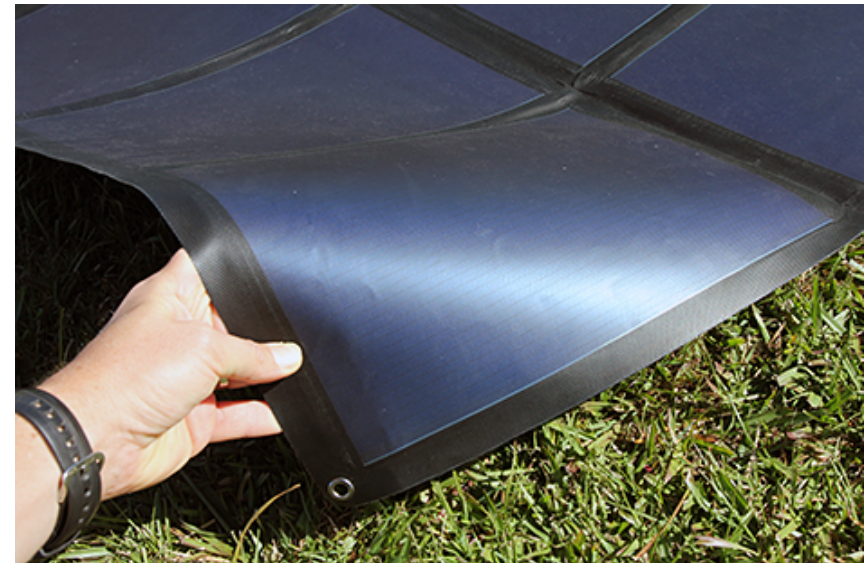
Our innovative product



Testing and Certification



- Testing and certification is based on IEC* system for conformity testing and certification of electrical equipment
- The manufacturing is outsourced.



- *International Electro-technical Commission

Technical characteristics



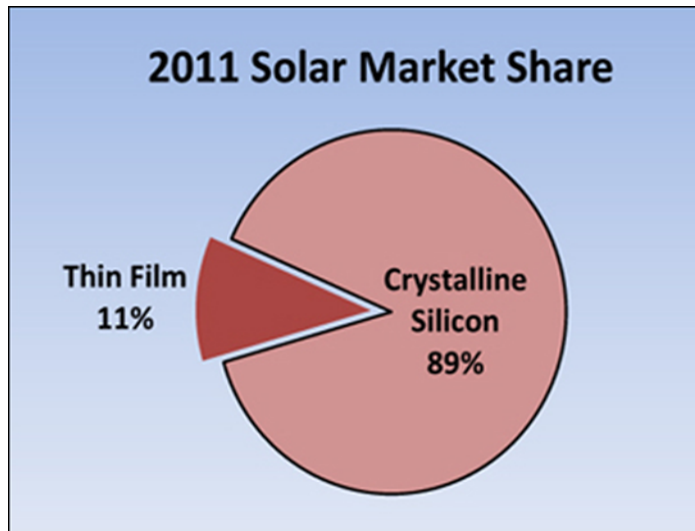
- Rated power – 15 W
- Open circuit voltage – 23.2 V
- Short circuit current – 1.5 A
- Optimum operating voltage – 17.4 V
- Optimum operating current – 1.16 A
- Suitable temperature range $-40^{\circ} \sim +85^{\circ}\text{C}$
- Size – 435mm×680mm×7mm



Market Share By Technology



- Thin films can be used on almost any surface like wall paper and window shades. They can also be manufactured on clothing, which can in turn be used to charge portable electronic devices like mobile phones and media players.
- Major benefits for ecology, by not generating chemicals or other contaminants.



- Thin film's market share is forecast to decline further to 7% by 2017

Solar PV Industry to Transition to Supply-Driven Market in 2014



- Over the past three years, solar photovoltaic (PV) installed system prices, module prices, and module production costs have all fallen by more than 50%, while a shakeout of uncompetitive PV cell manufacturers has caused the number of suppliers to decline from 250 in 2010 to 150 in 2013 → PV demand will continue to grow

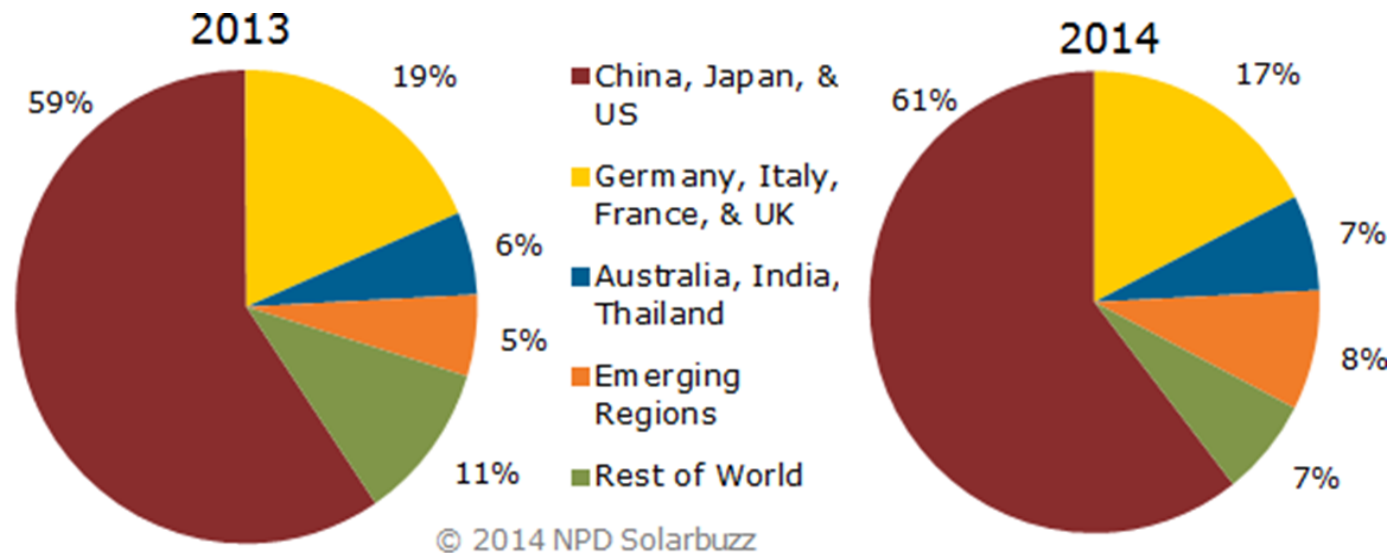


Figure: Solar PV Demand by Key Geographic Segments for 2013 and 2014

Over 150 million homes in Africa don't have electricity, though Africa has one of the highest solar irradiation levels in the world, up to 200kW m²/year (Source: NASA)

Who we learn from



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Company overview



Eight19, which takes its name from the time it takes sunlight to reach the earth - 8 minutes and 19 seconds - is a developer and manufacturer of third generation solar cells based on printed plastic. Originating from technology initially developed at Cambridge University in the UK, these flexible, robust, lightweight solar modules benefit from high-speed manufacturing and low fabrication costs. With a fraction of the embedded energy of conventional solar modules, printed plastic solar modules are particularly well suited to consumer and off-grid applications.

In This Section

Company overview

Off-grid challenge

Pay-as-you-go solar

Management

Board

Investors

Careers

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2.052B

-0.741M

Headlines

Eight19 joins forces with leading companies to promote the development of its Plastic Solar Technology

BBC Horizons documentary features Eight19

Finance



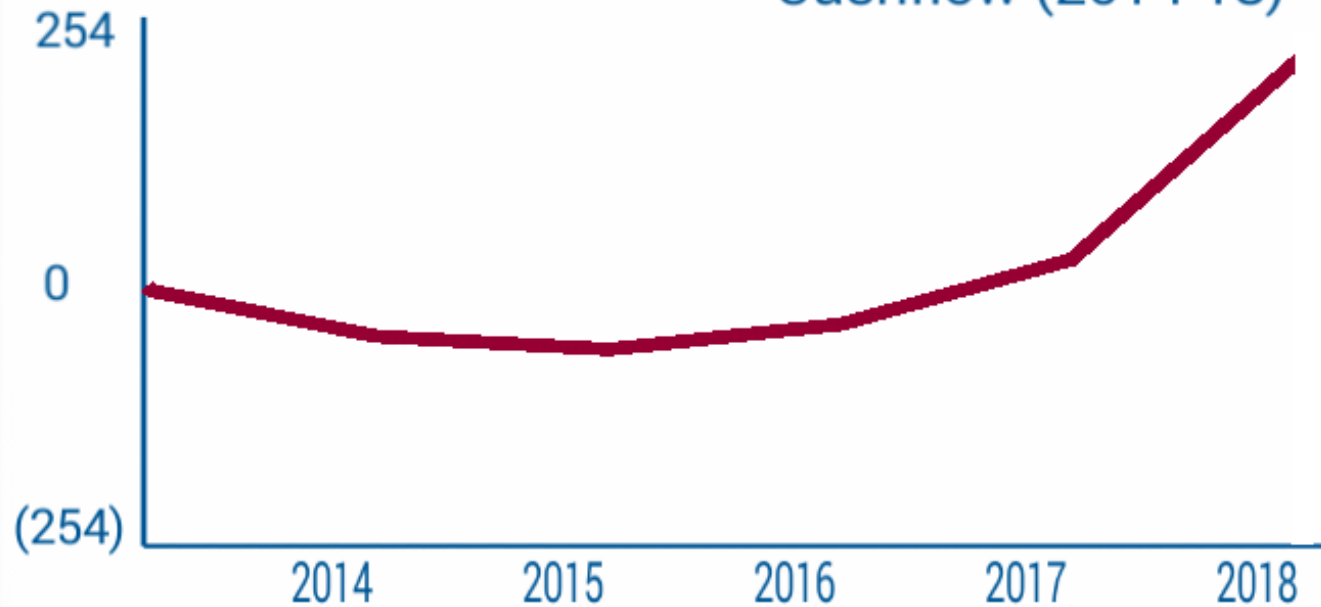
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1y

5y

Cashflow (2014-18)



Peak cash need £69,743 2015

Your opportunity



- Investment needed € 100 000
- Shares offered 49%
- ROI btw. 4x and 9x (with a conservative p/e ratio)
- Maintainable earnings after year 4 of € 250 000
- Doing something good for the Nature and the poor improved regions of the world



THANK YOU

References



- <http://www.eight19.com/>
- <http://firstsolar.com/>
- https://ycharts.com/companies/ALU/free_cash_flow
- <http://www.forbes.com/sites/xavierhelgesen/2012/12/12/how-to-light-africa-within-a-decade/>
- <http://www.solarbuzz.com/news/recent-findings/solar-pv-industry-transition-supply-driven-market-2014-according-npd-solarbuzz>
- http://solarcellcentral.com/markets_page.html
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