

## Joshua Weiner

### President & CEO, SepiSolar



After completing his Bachelor's degree in Astrophysics & Astronomy from UC Berkeley, Josh began his solar career at Akeena Solar, one of the leading turn-key residential and commercial solar contractors from 2002 to 2009. Shortly after joining Akeena in 2005, Josh quickly took on a supervisory role within the company's operations departments, opening several remote offices nationwide and scaling the company's staffing and infrastructure needs upon Akeena's IPO filing. Josh managed the design, engineering, and project management teams, supporting over 20 MW of both residential and small commercial PV systems over a 3-year time period.

In 2009, Josh founded SepiSolar, a national solar, storage, and microgrid design, engineering, and consulting company based in Fremont, California, leading a growing team of designers, engineers, project managers, and technical consultants.

Josh's energy storage career began as a co-founder of Green Charge Networks, which was awarded a \$10M grant by the US DOE to deploy 8+ micro-grid and utility-interactive solar + energy storage + electric vehicle charger products and projects to optimize behind-the-meter electricity usage. After exiting Green Charge Networks (now owned by Engie) in 2015, Josh went on to develop grid-connected energy storage and micro-grid projects with NRG's Station A R&D team and NEXTracker's integrated energy storage program, where Josh has played many roles in the development of solar and energy storage products and services, including design, engineering, business, policy, project, product, hardware, and software development.

As a board-certified member of the North American Board of Certified Energy Practitioners (NABCEP), Josh applies his extensive experience training and scaling project management, design, and engineering teams within the solar and energy storage industry. With a passion for teaching and education, he has also taught at UC Berkeley Extension and launched SepiAcademy, a NABCEP-accredited training platform.

## QUALIFICATIONS

- BA in Astrophysics (minors in Physics & Music), UC Berkeley
- Named as a *40 Under 40 Changemaker* in 2018 by Renewable Energy World.
- Patent awarded for Load Isolation Consumption Management Systems and Methods (US 20130285446 A1)

## PROJECTS

- 1,000+ (5+ MW) residential systems designed
- 200+ (50+ MW) commercial, industrial, agricultural systems designed
- 12+ (70+ MW) utility-scale designed
- 15+ (8+ MWh) utility-interactive energy storage systems designed
- For further reading, please visit Joshua's LinkedIn profile: <https://www.linkedin.com/in/joshuaaweiner/>

## EXPERIENCE

### **CEO, SepiSolar** **Feb 2009 - Present**

SepiSolar is an engineering services company focused on solar PV, energy storage, and microgrid project and product design and engineering that supports solar EPC's, contractors, developers, asset operators, and owners. SepiSolar's work includes residential, commercial, industrial, public works, and utility-scale projects, as well as product design and consulting to ensure new products and their integrations meet applicable codes and standards. Our team comprises NABCEP-certified and licensed engineering professionals with decades of industry experience.

### **Director of Storage Integration, Nextracker Inc.** **Jul 2015 - 2019 (4 years 6 months)**

Providing technology due diligence, energy modeling, economic analysis, business development, project development, and program management to the new products team and CTO.

### **Director of Engineering / Engineering Consultant, NRG Energy** **Feb 2013 - Feb 2015 (2 years 1 month)**

Supported NRG's transition from its acquisition of SunCap to Residential Solar Solutions, and eventually to NRG Home Solar through the acquisition of Roof Diagnostics Solar. Created policies and procedures for technical underwriting, performance and quality standards, operations and maintenance, and scaling the engineering department's systems and resources to support lease sales volumes of \$10M+ per month. Post-September 2014, Josh continued to serve as Engineering & Technology Consultant and subject matter expert for technical due diligence efforts with new technologies, products / applications, markets, and investors.

### **Engineering Consultant / Systems Engineer, ENGIE Storage** **Jan 2009 - Jul 2013 (4 years 7 months)**

Helped to secure DOE funding for R&D in 2009. Provided complete, turnkey design & engineering of all projects deployed until 2013. Also provided project management, technology consulting, business development, sales / pro-forma modeling, product development / UL certification, inspection services, among many other roles to bring first-of-its-kind energy storage products and projects from conception to commercialization.

### **Instructor, University of California, Berkeley** **Jan 2010 - Jun 2010 (6 months)**

Created and developed course curricula (including training workshops, seminars, final projects, lessons plans) for students of the UC Berkeley Extension program in the "Advanced PV System Design and Project Management" course. Taught classes of 30 students in solar PV system design, engineering, development, and project management.

### **Engineering Manager, Akeena Solar** **May 2006 - Feb 2009 (2 years 10 months)**

Designed and engineered solar installations to meet current Codes and standards for residential and commercial solar installations. Duties included obtaining complex construction permits and assisting installations and inspections with on-site engineering support. Provided engineering support to Sales and Marketing. Worked directly with several municipalities throughout California to develop streamlined permitting procedures. Presented new products and workmanship standards to local municipalities. Developed and implemented design and engineering policies and procedures with headquarters and various regional offices. Developed and implemented quality control policies and standards for design, construction, and project management. Reported to the VP of Operations, and later, directly to the CEO, and supervised the work of 10-15 design engineers, project managers, and documentation specialists.

### **Air Division Intern, Environmental Protection Agency** **Apr 2005 - Dec 2005 (9 months)**

Worked in the EPA's Air Division in San Francisco to ensure that power plants meet all local, state, and federal Codes and standards. Conducted extensive research on turbine engines and vapor-recovery units.

## EDUCATION

### University of California, Berkeley

BA, Major in Astrophysics/Astronomy; Minors in Physics and Music

2001 – 2005 (4 years)

#### Relevant Coursework:

Electromagnetism and Optics, Quantum Mechanics, Statistical Mechanics and Thermodynamics, Stellar and Nuclear Physics, Analytic Mechanics, Special and General Relativity, High Energy Particle Physics and Astrophysics, Cosmology and Relativistic Astrophysics, Planetary Astrophysics and Atmospheric Physics, Experimental Astronomy Lab and Error Analysis, Differential Calculus, Multi-variable Calculus, linear algebra, Statistics and Probability.

## CERTIFICATIONS

- NABCEP certification 092907-34 (2007 – present)
- NABCEP accredited trainer (2018 – 2021)
- CalSEIA member (2016 – present)

## SKILLS

- Project Development, Planning, Execution, & Operations
- Asset Management
- Design Development
- Project Engineering
- Project Management
- Engineering Operations & Management
- Sales Engineering
- Training
- Discovery & Due Diligence
- Energy Storage
- Micro-Grids
- Integration Engineering
- Performance Engineering
- Performance Simulation & Modeling
- Economic & Financial Analysis & Modeling
- Pro Forma Development