

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 nation-wide and scaling the company's staffing and infrastructure needs upon Akeena's IPO filing. Joshua managed the engineering, drafting, 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-plus-storage design, engineering, and consulting company based in Fremont, California, leading a growing team of designers, engineers, 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 chargers projects for the purposes of optimizing behind-the-meter electricity usage. After exiting Green Charge Networks (now owned by Engie) in 2015, Josh has gone on to develop grid-connected energy storage and micro-grid projects with NRG's Station A team and NEXTracker's integrated energy storage program, where Josh has played many roles in the development of energy storage products and services, including business, finance, policy, project, product, hardware, and software development.

As a North American Board of Certified Energy Practitioners, Josh applies his extensive experience training and scaling project management and design teams within the solar PV integration industry. With a passion for teaching and education, he has also taught at UC Berkeley Extension and recently launched SepiAcademy, an online and custom solar-plus-storage training platform taught by SepiSolar engineers.

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 (12 years +)

SepiSolar is a solar PV and storage design and engineering company that specializes in supporting solar EPC's, contractors, developers, and installers. SepiSolar's design team focuses on residential, commercial, and utility-scale system design and engineering, as well as product design consulting to ensure new products meet NEC, UL ratings, and applicable codes. Our team comprises of NABCEP-certified professionals so that you know you're getting the industry experience you need to install systems as efficiently as possible.

Director of Storage Integration, Nextracker Inc.

Jul 2015 - 2019 (4 years 6 months)

Providing technology due diligence, business development, project development, and program management to the new products team.

Director of Engineering / Engineering Consultant, NRG Energy

Feb 2013 - Feb 2015 (2 years 1 month)

Supported NRG's transition as Director of Engineering from 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 and scaling the Engineering department's tools, staffing, and resources to support lease sales volumes of \$10M+ per month. Post-September 2014, continue 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, 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, among many other roles to bring energy storage products 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, etc.) for students of the UC Berkeley Extension program for the "Advanced PV System Design and Project Management" course. Taught classes of 10-30 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 and plans to meet current Codes and standards for residential and commercial photovoltaic installations. Duties included obtaining required permits and assisting installations and inspections with engineering support. Provided engineering support to Sales. Also assisted several municipalities to develop streamlined permitting procedures for photovoltaic permits. Presented new products and standards of workmanship to local municipalities. Assisted in the management and coordination of designs and engineering procedures with headquarters, existing remote offices, and new regional offices. Developed and implemented engineering policies, procedures, quality control, and was the sole point-of-contact for the Engineering department. Served as manager of Engineering, reporting directly to the CEO, and managed/monitored the work of 11 design engineers.

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 pollution-producing 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

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.

LICENSES & CERTIFICATIONS

- NABCEP certification 092907-34 (2007 – present)
- 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