Who Are We?
EmPower Solar is a fast growing solar and battery energy development, engineering and contracting company, focusing on Long Island and the New York metropolitan area, with a prestigious reputation in the marketplace.

EmPower Solar seeks an experienced, personable, motivated and organized individual to perform duties as Solar Designer / Engineer to support and grow the company.

The Opportunity
EmPower Solar seeks a Solar Designer / Engineer to assist in generating solar photovoltaic system designs for residential and commercial rooftops. The position is fast-paced and challenging requiring exceptional AutoCAD and Excel capabilities including basic solar / construction experience. This is an entry level Solar Engineer position with growth opportunities into rigorous electrical / mechanical / data and/or architectural disciplines.

Key Duties & Responsibilities

General Responsibilities –
• Residential PV system design and drafting, enabling effective and efficient turnaround of "Sales Designs" in order to drive sales, ensuring strong customer feedback
• Interfacing both Engineering and Sales departments
• Identify key issues and considerations as part of the proposal (pre-sale) process
• Maintain intimate familiarity with best design practices and new products used in industry through continuous review of manuals, improved design techniques, etc.

Specific Tasks –
• Translate roof layouts taken via roof measurements or Google Earth / Bing, to AutoCAD
• Propose one or several system configurations weighing pitch, orientation, racking type, inverter selection and production and costs
• Prepare initial sales mechanical and/or electrical schematics
• Estimate system production using on-line estimating tools and EmPower developed Excel tools
• Evaluate preliminary electrical interconnection method
• See tabular breakdown on at of this position description

Required (Basic) Qualifications
• 2 or 4 year degree in Drafting, Technology or Engineering
• High proficiency and interest/capability to become AutoCAD expert
• Demonstrated ability to perform spreadsheet analysis using Excel, showing high attention to detail, converting raw data accurate and useful conclusions
• Ability to read and interpret drawings, schematics and specifications
• Capability of navigating, interpreting and applying code requirements when necessary
• Ability to perform work dependably and reliably according to work schedules and assignments including occasional overtime, weekend and overnight travel requirements
• Excellent interpersonal skills

Preferred Qualifications
• Basic construction experience including familiarity with structural or mechanical systems
• Direct prior experience designing and installing solar systems
• NABCEP Certification and/or completion of other solar training / certification programs
• Familiarity with computer networking, system administration, web development and database management
**Hours**
The typical work day is 8 to 9 hours of work time with separate break for lunch, with a flexible starting time of between 8 and 9 AM.

**Core Compensation**
Entry level starting salary for this position is $38,000 to $42,000 annually which includes a “structured bonus” component. Additional benefits include medical, dental, vision, 401k with 4% company match, hybrid vehicle purchase/wrap program, 2.5 weeks of vacation plus 10 paid holidays, sick leave, and others. Compensation over this amount may be considered based on demonstrated previous solar or other design experience.

**Why Work For Empower?**
- EmPower is a fast growing solar energy company and alternative energy company that is a leader in the region.
- Solar energy is one of the fastest growing industries in the country and throughout the world.
- Working for EmPower will provide direct solar energy experience by allowing for training, both within EmPower, and through appropriate industry recognized development programs.
- Support for outside training and professional development when available.
- A job at EmPower gives you an opportunity to be an environmental leader.
- Career advancement opportunities within EmPower.

**Additional Benefits**
- Walking distance to public transportation and the Long Beach Boardwalk
- Awesome co-workers and company culture
- Team off-site activities; happy hours, volleyball, yoga, ball games, and other celebrations!
- Professional development opportunities; trainings, conferences, etc.
- Equal opportunity employment

**How To Apply**
Submit your online application at the URL below.

**Online Application Link:** [https://docs.google.com/forms/d/e/1FAIpQLSd46_xKlc2fvC2VtpZ98JQdXj5TB4dbRcmetTlxvkJvC7g/viewform](https://docs.google.com/forms/d/e/1FAIpQLSd46_xKlc2fvC2VtpZ98JQdXj5TB4dbRcmetTlxvkJvC7g/viewform)

**Submission will be evaluated on a first come first serve basis.** Once submitted, candidates will be sent a simple screening exam followed by a phone interview. Final candidates will interview in person. EmPower Solar is an equal opportunity employer committed to diversity in the workplace. Additional information about EmPower is available at [www.empower-solar.com](http://www.empower-solar.com)
## Entry Solar Designer / Engineer Work Breakdown

<table>
<thead>
<tr>
<th>Role</th>
<th>%</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial system design / basic electrical &amp; mechanical engineering sales support</td>
<td>75%</td>
<td>Primary focus of the &quot;Sales Designer&quot; position.</td>
</tr>
<tr>
<td>Support / lead full Mechanical / Electrical designs, produce design package for review</td>
<td>10%</td>
<td>Creating final shop drawings for the crew when they go to perform the installation. Fraction of time will increase with experience.</td>
</tr>
<tr>
<td>Support development of tools, methods &amp; procedures for engineering design, fiscal assessments</td>
<td>10%</td>
<td>Important ongoing projects include production modeling of solar systems, financial models for various financing mechanisms, and more.</td>
</tr>
<tr>
<td>Professional Development – Progress made toward professional development goals</td>
<td>5%</td>
<td>Note that primary professional development investment will be during off-time, but we will send you to multiple courses which occur during the work day. Also have an extensive on-line curriculum to participate in.</td>
</tr>
<tr>
<td>Special Projects - Volunteer, non-core, expanding experience projects</td>
<td>-</td>
<td>Off-hours recommendation to participate in a professional society of your choice such as SWE, IEEE, USGBC, NYS-NSPE, etc.</td>
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