

JOB TITLE: Solar PV Designer

JOB STATUS: Full Time

SALARY RANGE: \$45,000-\$55,000 Annual Salary + Annual Bonus

EMPLOYER: Hannah Solar Government Services LLC

PLACE OF WORK: 217 Cember Way STE C, Summerville, SC 29483

GENERAL:

Hannah Solar Government Services (HSGS) is an engineering and construction company with a commitment to reshaping tomorrow's power grid and leading the way in America's energy security. HSGS specializes in the design, installation, and maintenance of large-scale solar PV and battery storage microgrid systems for government, commercial, and utility clients. All solar PV systems are designed by an in-house engineering team. HSGS is a fast-growing company and seeks to expand its staff. Our work is throughout the United States as well as overseas.

JOB SUMMARY:

U.S. Citizenship Required.

Design Solar PV systems and microgrid systems using engineering calculations, spreadsheets, and other programs including AutoCAD. Prepare Proposals for potential work by putting together preliminary designs, estimating material, researching materials, and putting together professional proposal documents. Take Solar PV technical training classes and other technical training to further knowledge and obtain NABCEP PV Installation Professional certification.

JOB LOCATION:

The incredible area of Charleston, SC which has been repeatedly designated as one of the best places to visit and live in the US.

WORK DAYS/HOURS:

Typical office work schedule is 8:30 AM to 5 PM Monday – Friday. Occasional work and or travel on weekend. Position requires some travel throughout the US and overseas which may be up to 10% of the time or more.

JOB DUTIES:

- Use engineering calculations, spreadsheets, AutoCAD and other programs to design turn-key Solar PV systems, microgrid systems, and battery back-up systems.
- Size and create panelboard, conduit, wiring, and equipment schedules.
- Design array layouts, equipment plans, electrical line diagrams, and routing plans for array interconnection.
- Generate professional project RFIs and Submittals for submission to clients.
- Prepare preliminary layouts, using AutoCAD, Google Earth, and Helioscope/PVSyst, of Solar PV systems on tops of buildings, in open fields, and other locations.
- Maintain familiarity with project specific AHJ, utility, state, and local codes to ensure code compliancy.
- Attend site visits with Sales Reps as the technical expert to answer technical questions, take pictures, and take detailed field notes.
- Prepare preliminary layouts and electrical designs for Government and Commercial proposals.
- Study blueprints, schematics, specifications, and all other documentation and determine methods, materials, and equipment needed to provide a full turn-key installation.

- Work with estimating department to provide technical assistance, design services, and RFQ support for proposals.
- Contact manufacturers and suppliers to obtain current pricing on materials and store information in an organized manner for others to use.
- Take continuing education classes to further knowledge in Solar PV Design, EV Charging Stations, Generators, National Electrical Code, battery storage, and others.
- May assist in training lower-level apprentice technicians, general laborers, designers, and others.
- Perform related work and other job-related duties as assigned.
- Attend project installations and help to complete installation by providing hands-on work, supervision, safety oversight, etc. as needed and for personal development.

EDUCATION AND TRAINING:

Requires high school diploma or GED as well as a minimum of a 2-year technical degree in a related field, with training or classes in AutoCAD design software.

BENEFITS:

Paid vacation, IRA matching savings plan, up to \$300 monthly medical insurance reimbursement

EXPERIENCE:

Military experience (Veteran) is highly desirable but not required.

REQUIRED SKILLS, KNOWLEDGE, & OTHER:

The basic ability to understand documents, define problems, and draw valid conclusions is required. The ability to perform math computations needed in trade, read blueprints, understand building code knowledge as it relates to work in the related trade is also required. Must have completed or complete within 90 days of employment the OSHA 10-hour safety program. Proficiency in AutoCAD, Microsoft Office programs, and email software is required as well as excellent social skills. English language skills required.

CERTIFICATES, LICENSES, REGISTRATIONS, OTHER:

A driver's license is required at time of hire. Driver's license must be maintained as a condition of continued employment. A valid US Passport is required, if the applicant does not have a US Passport one must be obtained within 90 days of employment. Must be able to pass a background check and not have any previous or current legal issues that would restrict security access to US Military Bases.

SUPERVISION/TECHNICAL RESPONSIBILITY:

Sometimes directly oversees general labor or junior level technicians. May spend over 10% of time conducting supervisory support responsibilities. Carries out supervisory responsibilities in accordance with the organization's policies and applicable laws. Responsibilities include planning, assigning, and directing work; addressing complaints and resolving problems; training employees; appraising performance; and assisting with hiring and disciplining.

SAFETY TO SELF AND OTHERS:

Low exposure to self to chemical burns, heat burns, fractured bones, loss of limb, loss of sight, disfigurement, and fatality due to working with electrical systems. High exposure to self and others to repetitive motion or stress due to working with computers and in an office environment. Low exposure to self and others to repetitive motion, bruises, and cuts due to working with electrical tools.

The physical demands, work environment factors, and mental functions described below are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is regularly required to stand; walk; sit; use hands to finger, handle, or feel; reach with hands and arms; climb or balance; and talk or hear. The employee frequently is required to stoop, kneel, crouch, or crawl; and taste or smell. The employee must regularly lift and/or move up to 25 pounds, frequently lift and/or move up to 50 pounds, and occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

MENTAL FUNCTIONS:

While performing the duties of this job, the employee is regularly required to compare, analyze, communicate, coordinate, instruct, compute, evaluate, and use interpersonal skills and is frequently required to compare, copy, synthesize, compile, and negotiate.

SECURITY CLEARANCE:

Must be able to pass a background security check as required by the US Government to gain access to military and government facilities prior to employment. This includes drug testing prior to employment and reoccurring drug test during employment.

CONTACT:

Email resumes to Cory McNamara, Lead Engineer at Cory@hsgs.solar.