



SKYLINE SOLAR [www.skyline-solar.com]

Job Title:

Senior Photovoltaic (PV) Cell Process Engineer

Date:

June 11, 2011

Job Description: Skyline Solar is searching for an experienced and highly talented Photovoltaic Cell Process Engineer to be the driving force behind current and future PV cell strategy, specification, sourcing, and integration into our innovative products. The successful candidate will direct efforts to identify, optimize, characterize, and qualify solar cell solutions for use in Skyline's patented concentrating solar products.

Responsibilities:

- Drive qualification and supply of proprietary crystalline Si PV cells into volume manufacturing
 - Develop and own PV cell manufacturing process & quality control specifications
 - Lead technical interactions with multiple cell manufacturing partners to ensure component quality & adherence to product specifications
 - Maintain established relationships with all stages of the PV cell manufacturing chain, from pre-processing of Si-ingot to post processing of finished PV wafer.
 - Work with manufacturing partners to trouble shoot & correct production issues in timely manner
 - Work closely with engineering & operation functions to hit key metrics on performance, cost, quality & schedule
 - Drive improvement of cell efficiency through continuous process improvement & optimization
 - Frequent domestic & international travel can be expected
- Research and identify sources for new high efficiency PV cell technology
 - Stay current on cell technology trends and enhance network of industry contacts through attendance of PV conferences & seminars
 - Represent Skyline to develop & maintain global PV cell vendor relationships
 - Collaborate with leading PV cell suppliers to align components roadmaps with Skyline's system roadmap
 - Participate in next generation product development to leverage capabilities of emerging cell technologies

Job Location:

Mountain View, CA

Industry:

High Tech, Renewable Energy

Job Role:

Senior Engineer

Joining Date:

July, 2011

Employment Type:

Full Time

Qualifications:

- MS degree in Material Science, Electrical Engineering or Device Physics
- Proficiency in solar cell device physics & optical properties of materials
- 5+ years of experience in design, optimization and/or manufacturing of crystalline silicon solar cell
- Competency with statistical analysis & process control
- Accomplished in designing and conducting experiments to evaluate, qualify & optimize solar cell performance
- Excellent documentation and written communication skills
- Detailed oriented with strong hands-on attitude and troubleshooting aptitude
- Ability to meet tight schedule demand & high tolerance for ambiguity
- Strong sense of teamwork & ability to work independently with minimum supervision
- Fluency in Mandarin Chinese a plus

Career Level:

Senior Engineer

Experience:

5 to 10 years

Degree / Education:

MS in Material Science, Electrical Engineering or Device Physics

Other:

Experience in crystalline Si cell manufacturing environment