



Name: Skidmore College
Location: Saratoga Springs, NY
Install Completion: April 2014
Project Size: 2MW
Panel Type: 72 Cell - 300W
Racking Type: Fixed Tilt - Post Driven
Ground Mount
Terrain: Open Field
Installation Services: Racking Assembly
General Contractor: Dynamic Energy USA

Project Overview

Patriot Solar Group (PSG) began initial layout and mounting designs in 2013 to build a 2MW array on the campus of Skidmore College located in Upstate New York. The 6,950 solar panels will offset approximately 12% of their annual electricity consumption.

The ground mount array utilized driven pile I-beams in accordance with local building codes, desired height clearance, and site specific soil conditions.

Faced with substantial snow fall and ice covering majority of the field, Patriot's 6-man install crew was able to complete the entire racking assembly in 13 days.

Why Patriot Solar Group?

- Over 20 years of manufacturing and design expertise.
- Vast amounts of inventory ready to ship. High capacity/ high production manufacturing.
- Custom Engineering to meet any design criteria.
- Wet stamp drawings provided at no cost for project sizes 500kW and above.
- Patriot offers site prep and installation services for any size project.
- Renowned customer service and in-field technical support.
- Made in USA – BAA & ARRA Compliant. 10 year structural warranty.

Project Objectives

- Design racking system in compliance with all local building codes.
- Engineer post design to work with site soil conditions and achieve desired height clearance of 30 inches above grade at a 25 degree panel tilt.
- Deliver racking material within 6 week lead time to ensure no project delays.
- Install racking system quickly to maintain project schedule.

Project Results

- Racking design met the desired height clearance in accordance with 90MPH wind load and 50PSF snow load.
- I-beam post design worked well with soil conditions, experiencing no post refusal during installation and meeting all design criteria
- All racking material was delivered on time.
- Patriot's install crew completed entire racking assembly ahead of project schedule.

"Patriot's install crew did an amazing job. Dynamic and Skidmore College were amazed at how fast, straight, and accurate everything was installed. We were able to reach substantial completion quicker than expected and that would have not been possible without having a great partner like Patriot on board."

*- Greg Boyer
Director of Operations, Dynamic Energy USA*