



FastRack510-6dgTM Installed on Hawaii's Largest Airports- HNL & OGG (2022)

Key Project Facts:

Location

Honolulu & Kahului, HI

System Size

2,474 kW-DC

Mounting System

SollegaTM FastRack 510-6dg at 5° tilt

Modules:

Trina Solar & JA Solar

The State of Hawaii, Department of Transportation, Airports Division selected the FastRack 510-6dg to support roof mounted photovoltaic systems at their two largest facilities– the Honolulu International and Kahului Airports. The Hawaii Clean Energy Initiative, in conjunction with the State of Hawaii and The US Department of Energy, have set goals to achieve an astounding 70% clean energy by 2030. These are the most aggressive renewable energy goals in the US. Not only will this achievement rank Hawaii as a world leader in renewable energy, but will also function to stabilize



and increase the independence of their local economy. Sollega is proud to participate on these projects.

The FastRack 510-6dg was selected to mount a total of 8,148 Trina and JA Solar 72-cell PV modules. The one-piece FR510 requires no assembly, and it's universal design allowed the team to install four different models of PV modules, all with the same simple and intuitive installation procedure. The non-corrosive Ultramid® material and Sollega's proven engineering made this

solution even more attractive for the tropical and costal region. The high array density of the FastRack510-6dg allowed the DOT to meet their energy production goals.

These builds necessitated a high degree of engineering as the airports are not only in hurricane prone regions, but also in areas of high seismic activity. The minimal seismic anchors were installed at a rate of up to five per man hour. Combined, the arrays were spread over more than ten individual flat roofs. Many of the roofs were tiered, making it difficult in some cases for the crew to move equipment to the upper levels. Sollega's engineering team was able to keep the ballast to a minimum to reduce this inherent challenge. Sollega's flexible wire-management system and high roof clearance made stringing modules fast and efficient.

Contact Information:



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