



U.S. EMBASSY—DAKAR

Dakar, Senegal

303-kW Solar PV Array Parking Canopy

Hannah Solar Government Services (HSGS) was contracted by the U.S. Embassy in Dakar, Senegal to conduct annual inspections and preventative maintenance on their two solar photovoltaic (PV) systems. The two roof-mounted systems total 303-kW (DC) and feature Mission Solar Energy modules that are connected to SMA Sunny Tower Inverter Rack and Mini-Central Inverters

HSGS installed 117 replacement solar modules across the two arrays on the initial trip. Our maintenance team performed annual inspection and preventative maintenance for the U.S. Embassy's solar array. These services included, but were not limited to:

- Voltage and current tests for strings and combiner boxes
- I-V curve trace measurements
- Torque checks on all components
- Inspection of structural, mechanical, and electrical components, and replacement as needed
- Written report of all findings



Project Specifications:

Customer: U.S. Embassy Dakar, Senegal

Project Value: \$277 K

Project Duration: Sep 2019 – Sep 2024

Role: Prime Contractor – Maintenance

Equipment Specifications:

Modules: Mission Solar Energy

Inverter: SMA Sunny Tower Inverter Rack & Mini-Central Inverter

Structure: SMA

ABOUT US: Hannah Solar Government Services (HSGS) is a Service-Disabled Veteran Owned Small Business (SDVOSB) leading the way in global energy security by designing and building renewable energy and microgrid systems. HSGS specializes in the design, engineering, construction, and maintenance of solar PV, energy storage, and microgrid systems. Serving government, commercial, industrial clients, HSGS' breadth of experience includes projects that span the continental United States as well as overseas.



Hannah Solar Government Services
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