

# Pv panels cost Samoa





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### VISION STATEMENT

Samoa was the first country in the Pacific to achieve 100% renewable for one of its islands when Apolima Island was entirely powered by a 15kWp stand-alone PV system way back in 2006. Other countries of the Pacific are now using the Apolima Island PV model for the development of their solar systems. SALELOLOGA SAVAIL: A 150kWp ground mount

### Samoa's first grid connected solar power system

The installation of Samoa's 546kWp solar PV grid-connected system is expected to provide significant benefits to the government of Samoa by reducing the use of diesel by around 190,000 litres p.a and realizing costs savings of approximately SAT570,000 per annum in a country which generates 60% of its electricity from diesel.



### Solar for Samoa

The Solar for Samoa PV project is situated over two locations; Faleata Racecourse (1.4MW AC) is located in the capital city of Apia, while Faeolo International Airport (2.1MW AC) is located approximately 40 kilometres west of Apia.

### Solar for Samoa Case Study

About Solar for Samoa. MPower was awarded a contract to deliver a fully operational 5.0MW



solar power station across two sites in Samoa. The first site at Faleolo International airport has a 3MWp solar PV ground mount system. The second site at Faleata Race Track has a 2MWp solar PV group mount system.



### **(PDF) Feasibility study for a sustainable campus using solar PV**

The analysis results have shown that for the supply of electricity with a total power of 10 MW, PV panels are superior to parabolic collectors. The cost of producing electricity using PV panels is 6.60 ¢/kWh, while the parabolic collector costs 26.42 ¢/kWh. And the total area required for the installation of PV.

### **Solar PV Analysis of Apia, Samoa**

Maximise annual solar PV output in Apia, Samoa, by tilting solar panels 13degrees North. The location of Apia, Samoa, which is in the Tropics where sunlight is pretty consistent throughout most



### **Government of the Independent State of Samoa through the ...**

Currently, Samoa's energy portion of the tariff sees its highest cost kWhs coming from energy supplied through its diesel resources. The Samoan Government has an established goal of 70% renewable energy generation by 2031. Renewable development must bring the maximum value at the least economic cost. The greatest



## Top Solar Panel Suppliers in Samoa

Your biggest costs to run your solar installation business are purchasing solar panels from the distributor and paying your staff. You can control bring down costs by purchasing panels in bulk and using them for different installation jobs.



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