



Solar panel scheme for farmers Samoa

Does Samoa have a solar power station?

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.

What is solar for Samoa?

The Solar for Samoa project set the benchmark for quality solar power projects in the South Pacific. The two sites will provide up to 27% of the network power during peak output. MPOWER has successfully delivered a wide range of renewable and conventional power systems across the region.

Who managed the Solar for Samoa project?

The project was managed by MPOWER's construction manager, project manager and HSE managers and carried out by local staff (peaking at 220) in Samoa with regular visits from MPOWER's team in Sydney. The Solar for Samoa project set the benchmark for quality solar power projects in the South Pacific.

Does Faleata race track have solar panels?

The second site at Faleata Race Track has a 2MWp solar PV group mount system. The panel configuration is rated for high wind conditions and the inverters used are string inverters to allow for ease of operations and maintenance by local staff given the remote location.

Farmers in Samoa explore their new solar-powered generator, a game-changer for keeping their devices charged, improving farm safety, and boosting productivity in remote areas. Photo: Supplied

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One farmer who had to cross a river daily to reach his farm could now have someone stay on the farm, thanks to the solar power, reducing the dangerous trips across the river. Beyond the economic advantages and enhanced safety, the introduction of renewable energy has had a positive impact on morale among the farmers and their staff.

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The 3.5MW AC project is powered by approximately 47,000 First Solar advanced thin film PV modules and supplies power to the Electric Power Corporation. The plant is helping Electric Power Corporation achieve its renewable energy targets, and the electricity produced by the solar farm offsets a portion of existing diesel-generated

4 ???· The solar farm at Tuanaimato. EPC will set up one in Upolu and another in Savaii. (Photo: Samoa Observer) ... Samoa currently relies on imported fossil fuels for approximately 69 per cent of its electricity generation, leaving the country vulnerable to volatile oil prices. By shifting to renewable energy, the initiative will reduce dependency ...

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.

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