



# Fiji lithium-ion batteries

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We have just introduced new battery called Simpliphi (Lithium Ion battery) in Fiji for the first time. We are the first solar company to have this best battery.

### Fiji's solar market status

Most Pacific Island countries spend vast chunks of their annual GDPs on fuel imports. This is illogical considering that there is no shortage of renewable sources of energy in the Pacific region. Is Fiji different from other Pacific states that are dependent on costly fossil fuels for their daily needs?

The most recent statistics concerning Fiji's solar market reveal that the country has an installed solar capacity of 4 Megawatts. This meager solar capacity is a cause for concern primarily because its solar potential is approximately 170 Gigawatt-hours annually. However, the government's newfound desire to exploit the nation's renewable energy potential offers something to smile about.

Fijian authorities are currently working on what could be the largest solar energy project in the Pacific region. They plan to install at least 15 Megawatts of solar generation capacity with financial support from the International Financial Corporation. The success of this project is most likely to open up new opportunities for solar installers and professionals in the Fijian solar market.

### Fijian solar market equipment supply capacity

Even though Fiji is an emerging solar market, it enjoys a good presence of solar equipment suppliers. Some readily available equipment in Fiji includes solar panels, batteries, inverters, and charge controllers. Nevertheless, these suppliers serve a small market and may not have the capacity to supply mega-project equipment. In such a scenario, the best course of action is importing equipment from leading brands in established solar markets.

Fiji's Suva and Lautoka ports make it easy to import solar equipment from any leading solar equipment brands on Solarfeeds. We are the source of the most competitive equipment quotes in the global solar sector. The only thing you need to do is visit our inquiry page and send us a request.

Wholesale Lithium-Ion Battery for PV Systems? Simply put, a lithium-ion battery (commonly referred to as a Li-ion battery or LIB) is a type of rechargeable battery that is commonly used for portable electronics and electric vehicles. The popularity of this kind of battery is also steadily growing for military and aerospace applications.

In a lithium-ion battery, lithium ions move from the negative electrode through an electrolyte to the positive

electrode during discharge, and back when charging. Additionally, lithium-ion batteries use an intercalated lithium compound as the material at the positive electrode and typically graphite at the negative electrode. Advantages of a Lithium-Ion Battery?The lithium-ion battery offers so many benefits to a lot of electrical devices and appliances. The following are the most commonly known advantages of a lithium-ion battery:

It has a high energy density, and it has the potential for yet higher capacities. It does not need prolonged priming when new. One regular charge is all that is needed. It has a relatively low self-discharge. In fact, its self-discharge is less than half that of nickel-based batteries. It is a low-maintenance battery. No periodic discharge is needed, and there is also no memory. It has specialty cells that can provide a very high current to applications like power tools.

Why Are Lithium-Ion Batteries Better for Solar Products than Lead-Acid Batteries?The lead-acid battery is the oldest rechargeable battery in existence, and it also costs less upfront. However, despite that advantage, lead-acid batteries require regular maintenance and don't last as long. These characteristics are some things that aren't present in lithium-ion batteries.

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