

# Nepal solar battery storage solutions

Warranty  
**10 years**

LiFePO<sub>4</sub>

Intelligent BMS

Wide Temp:  
-20°C to 55°C





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### Solar Energy

Small Solar Home Systems and Solar Home Systems (S/SHS) are Solar PV Systems to collect solar energy and store in the battery to use for lighting and some other end-uses like TV, Radio and mobile phone and laptop computer charging. These are limited to 80 watt peak.

### 100% renewable energy with pumped-hydro-energy storage in Nepal

Solar, with support from hydro and battery storage, is likely to be the primary route for renewable electrification and rapid growth of the Nepalese energy system.



### 100% renewable energy with pumped-hydro-energy storage in Nepal

Nepal has vast low-cost off-river pumped hydro-energy-storage potential, thus eliminating the need for on-river hydro storage and moderating the need for large-scale batteries. Solar, with support from hydro and battery storage, is likely to be the primary route for renewable electrification and rapid growth of the Nepalese energy system.

### About Us

Sunbridge Nepal delivers the most advanced solar PV systems, custom financing and



progressive sustainability practices. And our fully-integrated design approach to solar systems (grid-tied and off-grid), battery storage and, energy monitoring software makes our unique solar solutions a sound investment with greater peace of mind.



### Press Releases

This alliance empowers Dugar Power to achieve a significant milestone in integrating cutting-edge sustainable energy solutions within Nepal. The partnership is set to deploy transformative solar technologies to produce a range of on and off-grid energy solutions.

### Projects , Peak Power Solar Nepal

The Thatichaur Solar Microgrid, installed by Peak Power and Sunshine Energy in Kushe Rural Municipality, Nepal, utilizes an SMA Multicluster system to provide reliable energy to the community. This microgrid interconnects 249 households through smart meters, ensuring efficient energy distribution.



### Seamlessly Switch Between Grid, Battery & Solar Power

With this project, a smart storage system is designed to seamlessly switch between grid supply, battery and solar power during outages, making energy more reliable. GRIPS promotes adoption of clean tech and eradicating use of polluting power sources that contribute to climate risks and carbon emissions.



## Making Nepali Communities Resilient to Climate Change

Gham Power is a Solar company based in Kathmandu, Nepal. Established in 2010, we have carried out over 2,000 projects with a cumulative installed capacity of over 2.5 MW

50KW modular power converter



- Flexible Configuration**
  - Modular Design, Expanding as Required
  - Small/Light, Wall Mounted
  - Installed in Parallel for Expansion
- Powerful Function**
  - Support PV-ESS
  - Grid Support, Equipped with DVG Technology
  - On-Grid and Off-Grid Operation
- Reliable Protection**
  - Outdoor IP65 Design
  - Sufficient Protection Functions Equipped



## Coalition for Disaster Resilient Infrastructure

Nepal's high-mountain electricity infrastructure has poor system resilience. There are several challenges to disaster relief, recovery, and infrastructure restoration. To address that, this research aims to develop a self-sufficient and resilient electricity service solution for high mountains that incorporates the concept of circular economy.

## About Lotus

We offer a broad range of solar solutions, not just the easy stuff; read more at Product Selection. Whether you need a traditional rooftop grid-tied system, or one of several ground-mounted arrays, or an automatic tracker which follows the sun from dawn to dusk, or a battery back-up or complete off-grid system, we can build a system that you



## Contact Us

For catalog requests, pricing, or partnerships, please visit: <https://www.fundacja64.pl>