

Solar2World Product Donation Program & Application (AMERICAS REGION)



Introduction

SolarWorld's Solar2World (S2W) Product Donation Program grants Sunmodules to qualifying nonprofit organizations in the Americas. S2W helps recipient organizations support regional development by means of aid projects for rural electrification based on solar power. Decentralized solutions offer people in off-grid regions access to electric power, a fundamental requirement for economic and social development.

S2W partners with nonprofit organizations in the Americas that work in at least one of two funding areas: basic human needs and access to quality education. Together, we build innovative off-grid solar systems that improve a community's quality of life.

Eligibility requirements

- Qualify as U.S.-based nonprofit, tax-exempt charities under Section 501(c)(3) of the Internal Revenue Code – or as similar charitable organizations in prospective foreign host countries.
- Refrain from discrimination in providing service, employment and hiring along the lines of race, color, religion, sex, gender expression, physical appearance, language, education, national origin, age, disability, veteran status, or any other categories protected by applicable U.S. law.
- Pursue non-religious primary purposes. Social-service groups sponsored by a religious organization but serving the community at large are eligible. Houses of worship or institutions with solely religious curricula (e.g. seminaries) are not.
- Limit overhead expenses to no more than 25 percent of total operating budgets.
- Possess technical capability to install and maintain the proposed solar power system.
- Be prepared to train system operators to maintain, trouble-shoot and report on system performance. Annual energy production reports for the first five years of system operation are a minimum requirement.

Eligible projects must propose to provide aid to recipients (end users) who do not have reasonable access to an electrical grid and promote delivery of either:

- **Basic human needs by helping communities** overcome the cycle of poverty and dependence through strategic partnerships that provide clean water, food, shelter, and other prerequisites to self-sufficiency. In health care, S2W supports community organizations, clinics and hospitals.
- **Access to quality education** by creating educational opportunity and providing underserved students a chance to thrive.

Scope of donation

S2W supports selected solar power projects only through product grants. The applicant or partner organization must cover costs for additional components, such as power electronics, panel mounting systems, and batteries.

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Delivery

S2W will deliver donations at the most appropriate SolarWorld facility. Partner organizations are responsible for shipping and import-export duties. (Most nonprofit NGOs can import equipment duty-free.)

Reporting and performance tracking

Reports detailing the project's kWh performance and any technical issues must be delivered to SolarWorld in each of the five years following the project's commissioning. Failure to adequately report performance may result in the recipient or project partners becoming liable for the cost of the donated equipment. More frequent reporting is encouraged.

Application overview

S2W's application for U.S.-based organizations consists of these sections, each of which must be fully completed:

1. Contact information for the applicant organization.
2. Information about the organization and any partner organizations, including financial details.
3. Information about the product donation your organization is submitting and the population to be served by this proposal.
4. Required legal certifications.

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Contact information for applicant contact person

First name: _____ Job title: _____
Last name: _____ Business phone: _____
Address: _____ Mobile phone: _____
City: _____ Fax: _____
State: _____ Email: _____
Zip code: _____

Information about applicant organization

Organization's name: _____ Phone: _____
Address: _____ Fax: _____
City: _____ Web site: _____
State: _____ Zip code: _____

Please send your completed application to Solar2World@solarworldusa.com

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Organization details (please attach supporting documents and organization-project descriptions, where applicable)*

Item	Response
<p>Organization’s primary focus Briefly state your organization’s primary focus</p>	
<p>Geographic scope/reach Briefly state the scope of your organization’s service operations.</p>	
<p>Organization’s mission Provide organization’s official, board-approved mission statement.</p>	
<p>Organization’s founding date Provide the date of your organization’s founding.</p>	
<p>Overview of organization Provide a brief overview of the organization (accomplishments, overall goals, methods).</p>	
<p>Overview of partner organization Complete the above form for any partner organization contributing funding, in-kind contribution (product/service) or labor needed for successful completion.</p>	

* Please attach any official documentation about your organization (and the end user organization, if different). At a minimum, this should include relevant financial statements but may also include brochures, references or photos of previous projects.

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Information on proposed product donation

S2W supports selected solar power projects with in-kind contributions of solar modules and related equipment. Recipient or project partners must cover remaining costs for additional components, such as power electronics, racks and batteries.

Item	Response
<p>Project location <i>Country, location name</i></p>	
<p>Proposal title <i>Enter the name, or descriptive title, of the specific program/project seeking support.</i></p>	
<p>Technical point of contact <i>Organization name, contact name, phone and email address for person responsible for the actual installation.</i></p>	
<p>Alignment to high-priority areas <i>How does this proposal address basic human needs and/or access to quality education?</i></p>	
<p>Previous successes <i>Briefly describe the most similar project in which your organization has taken part. What were the objectives? What people helped and how? What role did your organization play?</i></p>	
<p>Mission metrics <i>Please detail how your organization will measure the impact of the proposed project on the local community and how it aligns with your organization's mission.</i></p>	

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Item	Response
<p>List appliances that will be needed/connected for this project</p>	<p>Please fill out the table in Appendix A on Page 8 carefully and completely.</p> <p>Components of solar off-grid systems</p> <ul style="list-style-type: none"> ■ Solar modules convert sunlight into electrical energy. ■ Batteries store energy so that even at night or during bad weather, sufficient energy is available. Water-pumping systems with storage tanks may not require batteries. ■ Charge controller forms the link between solar module and battery and ensures that the batteries are optimally charged and protected. ■ Inverter converts direct current delivered from batteries and solar modules into alternating current, enabling the solar energy system to power any domestic appliance. <p>Note: To determine the correct number of solar modules necessary for a project, a detailed list of the appliances to be connected to the off-grid system is needed. Please specify the needed power in watts and the number of operating hours for both day and evening use necessary for each appliance. Also identify the need for direct or alternating current (expressed in volts) for each appliance.</p>
<p>How important is an uninterrupted power supply? Please describe. <i>Does a temporary power outage pose serious consequences, e.g. for storage of medicine? In this case, a back-up generator should be integrated into the system.</i></p>	
<p>Installation site of the solar modules <i>Flat roof, slope roof or open space. (If roof assembly needed, detail the roof slope and orientation.)</i></p>	
<p>Will other manufacturers participate in the project? <i>Please list any donations secured or planned for components not provided by Solar2World.</i></p>	
<p>Does your organization and/or partner organization(s) have sufficient technological knowledge for constructing and operating a solar energy system? Please describe. <i>If not, we may refer you to another NGO with the necessary skills and experience.</i></p>	
<p>Who is responsible for press and PR for your organization? <i>a) in the U.S.?</i> <i>b) in the destination country?</i> <i>Please provide contact information including email and phone number.</i></p>	

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Legal certificates

Please acknowledge your review and acceptance of the following by adding your signature to the final page of this application.

Board review and approval

At least one officer of our nonprofit organization's board has reviewed this application, and the entire board knows about and supports its submission.

Accuracy certification

(1) I completed this form, and the information I provided is true and accurate to the best of my knowledge; (2) the organization I represent complies fully with the policies stated in the eligibility requirements section at the beginning of this application form; and (3) any assets donated will be used in the manner specified in this application.

Acceptance of review

I understand that all applicants are subject to review of their representations in this application and (for grantees) their compliance with the grant contract. I understand that the organization I represent may be required to return any granted assets and forfeit future funding eligibility if (1) the review reveals any significant inaccuracies or violations of the policies stated above or (2) the organization does not cooperate with the review or requirements of the grant contract.

Signature: _____ Date: _____

Print name: _____ Title: _____

Please send your completed application to Solar2World@solarworldusa.com

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Appendix A: List of appliances to be connected.

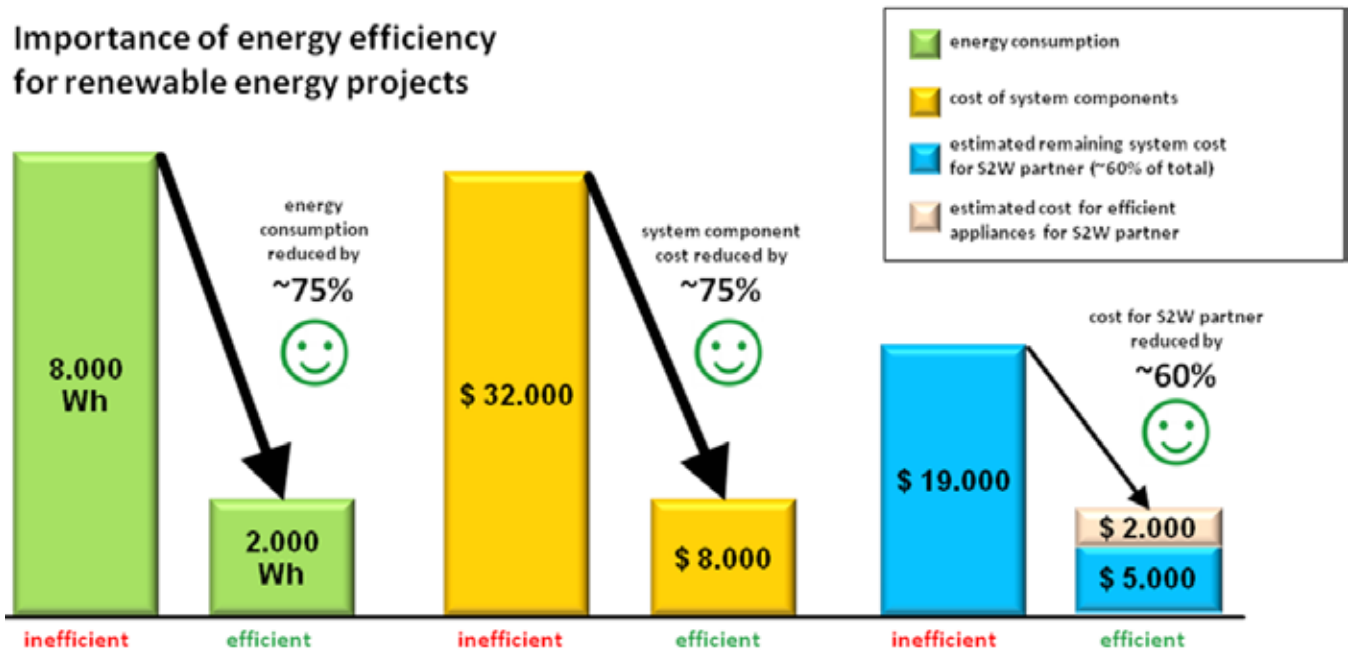
Note: To minimize the total cost of the solar system, any electrical equipment acquired for the project should offer the highest possible energy efficiency.

Appliance	Power consumption in Watts	Quality	Daily running hours (1...24)	Days per week used (1...7)	DC or AC voltage	Percentage of daytime use (0...100%)
Sample appliance 1 (e.g. Energy saving light)	11	3	4	7	DC	0%
Sample appliance 2 (e.g. Laptop computer)	50	1	6	5	AC	75%

Appendix B: Energy Efficiency

It is very important to ensure that the appliances used are as efficient as possible to minimize the required size and cost of the PV system. As shown in the figure below, replacing the appliances with more energy efficient versions more than pays for itself in off-grid applications.

Importance of energy efficiency for renewable energy projects



Calculation based on following scenario: Bamako/Mali, component cost: 11 \$/Wp

inefficient appliances:

10 incandescent bulbs (60W, 5 h/d)
 1 inefficient fridge (3000 Wh/d)
 1 PC+monitor (250W, 8 h/d)

efficient appliances:

10 CFL light bulbs (12W, 5 h/d, \$ 10)
 1 efficient fridge (1000 Wh/d, \$ 1000)
 1 laptop (50W, 8 h/d, \$ 900)