



Mangoo Manufacturers and Products Policy

Mangoo is a service of Stiftung Solarenergie. Sendea gGmbH (Germany). Mangoo gathers public available information on solar products for off-grid and grid connected systems with focus on developing countries. By making visible such public information, the ambition of Mangoo is to increase off-grid products market transparency.

The content of Mangoo's website has been compiled with meticulous care and to the best of our knowledge, following the TMG (Telemediengesetz – Tele Media Act by German law). However, we cannot assume any liability for the up-to-dateness, completeness or accuracy of any of the pages.

To ensure that listed companies and products follow fundamental business principles and focus on quality "Mangoo Manufacturers and Products Policy "describes the Manufacturing and Business principles that Mangoo wants to push forward within the industry.

These principles relates to:

- Rights to operate,
- Attitude towards safety or health concerns for customers,
- Focus on quality in the interest of the customer,
- Existence of a quality system,
- Governance for waste and recycling,
- Norms and standards,
- Respect of human rights at work,
- Protecting health, safety, and security for employees,
- Preserving the environment,
- Preventing corruption,
- Respecting the competition law.

Mangoo considers the principles enounced in this document as normal compulsory demands toward today's companies that are active in the above mentioned sector. Mangoo relies on public available information. But in case of a verifiable violation of these principles, Mangoo will report it accordingly. In case of a severe violation Mangoo will reserve the right of taking any appropriate decision.

In complement, Mangoo individually asks the listed manufacturers to support this policy by signing it. Please sign the following document and send to:

Mangoo
c/o Stiftung Solarenergie. Sendea gGmbH
Adress: Basler Landstrasse 8, 79111 Freiburg (Germany)
Fax: +49 761 888 573 29
email: mail@mangoo.org

Please note that we may update the Mangoo Manufacturers and Products Policy from time to time, and you are required to abide by the most recent version.

Mangoo Manufacturers and Products Policy

1. FUNDAMENTAL BUSINESS PRINCIPLES

a) Respecting human rights at work

Manufacturers shall:

- ensure that working conditions and remuneration of workers preserve human dignity and are consistent with fundamental principles defined and protected by the Universal Declaration of Human Rights, by the fundamental principles of the International Labor Organization, and in particular with rules relating to the prohibition of forced labor and child labor, workplace safety, the establishment of an employment contract, working time, rest and parental leave, treatment of discrimination and harassment at the workplace, freedom of speech, association and collective bargaining, freedom of thought, conscience and religion;
- establish a procedure that prohibits all workplace discrimination (any practice that results in discriminatory and unfair treatment of employees) with regard to recruitment, compensation, benefits or termination;
- continuously improve their standards and procedures concerning human rights at work.

b) Protecting health, safety, and security

Manufacturers shall:

- perform risk analysis and assessments in these areas and implement appropriate means to prevent those risks.
- define a Health, Safety and Environment (HSE) policy with quantified objectives, develop an HSE management system that standardizes risk assessment methods and implements preventive measures to mitigate risks;
- protect workers from operational hazards, establish a system for monitoring events that occurred in these areas, and provide employees with personal protective equipment that is appropriate to the assessed risks.

c) Preserving the environment

Manufacturers shall:

- implement an appropriate environment risk management system, in order to identify and control the environmental impact of activities, products or services, to continuously improve environmental performance, and to implement a systematic approach to define environmental objectives, achieve them and demonstrate that they have been achieved;
- undertake the improvements needed for protecting the environment and shall limit the impact of industrial activities on the environment.

d) Preventing corruption, conflict of interests, and fighting against fraud

Manufacturers shall:

- fight against fraud; prevent and ban any form of corruption: active or passive, private or public, direct or indirect;
- avoid conflicts of interest, in particular when personal interests may influence professional interests;
- conduct due diligence appropriate to the risks involved before selecting any partners or suppliers.

e) Respecting the competition law

Manufacturers shall:

- comply with the applicable competition laws, designed to prohibit industry agreements or practices that could constitute restraint of trade and abuses by companies holding a dominant market position.
- ensure that excessive prices with respect to costs are not charged and that the awarding of contracts is not contingent on the customer's acceptance of additional services or exorbitant terms and conditions.

f) Promoting economic and social development

- Manufacturers shall create a climate of trust with stakeholders, engaging in a dialogue with local communities, promoting local sustainable development initiatives, and giving local companies the opportunity to develop their business.

Manufacturers shall ensure that all suppliers comply with these principles.

2. RIGHTS TO OPERATE

- Manufacturer represents and warrants that it, or its distributors, currently possesses all licenses, certifications, and accreditations required to perform and deliver off-grid products to any location where its products are distributed.
- Manufacturer shall inform customers of the nature and consistency of the products and shall give customers appropriate warnings in relation to any health and safety concerns or handling or hazardous risks.
- Manufacturers warrant that it has full right of sale of the products he presents and that such products are exempt from any rights or privileges of any third party.

3. FOCUS ON QUALITY

- Manufacturer declares that it is committed to continuously improve its products in terms of quality, safety, cost, and reliability in the best interest of the end user.
- Manufacturers shall use all means, including without limitation quality control, necessary to ensure that the products complies with all legal and contractual specifications of the countries where it is distributed.
- In particular, in addition to the Incoming Quality Check (IQC) and In Process Quality Check (IPQC), Manufacturer shall perform a comprehensive Output Quality Control before packing and shipment.
- All materials and works shall be designed, manufactured and tested according to the latest edition of the international standards. If more than a single degree of quality or accuracy is permitted within the scope of a particular standard or code, the highest quality shall be recommended.
- The basic approach for reference to codes and standards is that the International Standards preference shall be given and in case not available for particular item, then National Standards shall apply. These standards may be supplemented by recommendation of renewed Institutes and Associations, as per the following list to be used as basic indication:

International Standards:

- ISO 9001 and ISO 14001 : International Standardization Organization
- IEC 62257-9-5 ed.2: International Electrotechnical Commission
- REACH : Registration, Evaluation, Authorization and Restriction of Chemicals
- ROHS : Restriction of Hazardous Substances
- Lighting Global Standard: <https://www.lightingglobal.org/qa/standard/>
- CE: European certification

Agreed and Signed:

Company:

Adress:

Name and function

Place and Date

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Signature and stamp