



**APB - ENERGY**  
www.apb-energy.com



# OFF-GRID SOLAR ELECTRIFICATION & SOLAR PUMPING SYSTEMS

We accompany your solar energy  
and solar pumping projects



# OFF-GRID SOLAR ELECTRIFICATION

## Custom solutions designed for your need

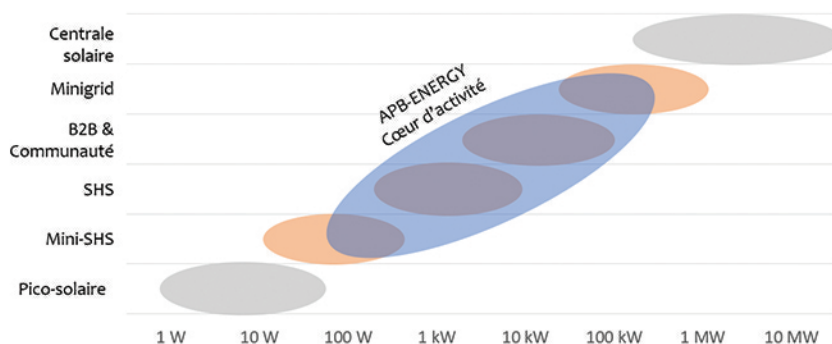
We design et supply full systems adapted to your need. These systems include all main devices such as PV solar modules, batteries, charge controllers, inverters, but also all components needed for a safe and reliable installation. Our solutions can work either in full solar autonomy or as hybrid solutions with an external gen or local grid.

## From small solar systems to bigger ones.

Our solar kits cover a wide range of power and storage capacity. From power 0.1kW till 100kW, and energy storage capacity 1kWh till 500kWh.

This wide solutions range permit to cover many applications. As example :

- Offgrid living house
- Telecom
- School
- Public or religious building
- Health center – remote hospital
- Professional activity
- Refugee camp
- Remote village
- Minigrd



## Reliable systems with long life expectation

Our design rules take care to local using conditions. There are based on more than 12 years of activity in all situations. We work with best international manufacturers in order to optimise lifetime and reduce maintenance operations.

## Technical assistance

Our systems are always accompanied with our technical support either during first steps of the project, during installation or after installation. In some countries we can propose installers we already work with. Depending on systems size we also can provide on-field assistance for installation and commissioning.

## Technical Training

We propose some technical training sessions on offgrid solar systems to our partners. These training sessions can be for project manager, engineers or installer.

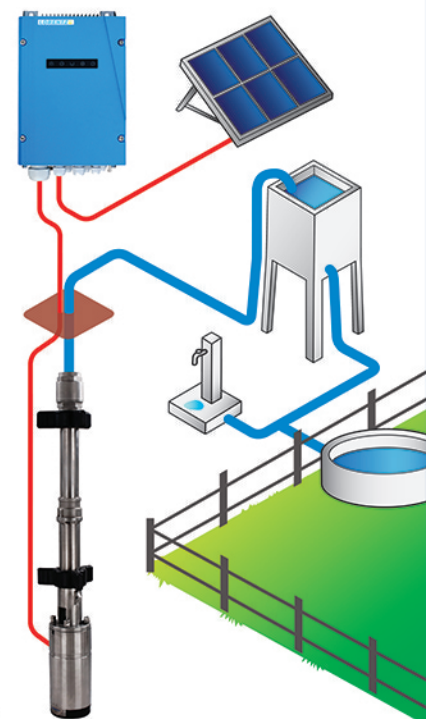


# SOLAR WATER PUMPING

## APB-ENERGY, official distribution partner LORENTZ

We have been working for more than 10 years with Lorentz GmbH, the world leader manufacturer fully specialised in solar pump, as Distribution Partner. Lorentz GmbH product range is the most efficient and reliable on the market. Pumps systems are designed for remote area with severe using conditions and low maintenance capacity.

As Lorentz's Partner we can accompany you in all your projects either for drinking water or irrigation by designing and supplying full solutions adapted to your needs.



**LORENTZ**  
Approved Partner



## For drinking water and irrigation

Solar water pumping gives advantages to many applications. Two main applications are village drinking water and irrigation.

For drinking water our solar pump systems can lift water from borehole 10m to 300m deep. Water flow can be from 1m<sup>3</sup>/day up to 100m<sup>3</sup>/day. Systems are efficient, robust and reliable. They do not need any difficult maintenance. It is perfectly adapted for drinking water pumping in remote village.

For solar irrigation, both submersible pumps and surfaces pumps can provide large water flow up to 5000m<sup>3</sup>/day. These systems replace diesel pumps with many advantages, especially pumping cost.

## Engineering and technical support

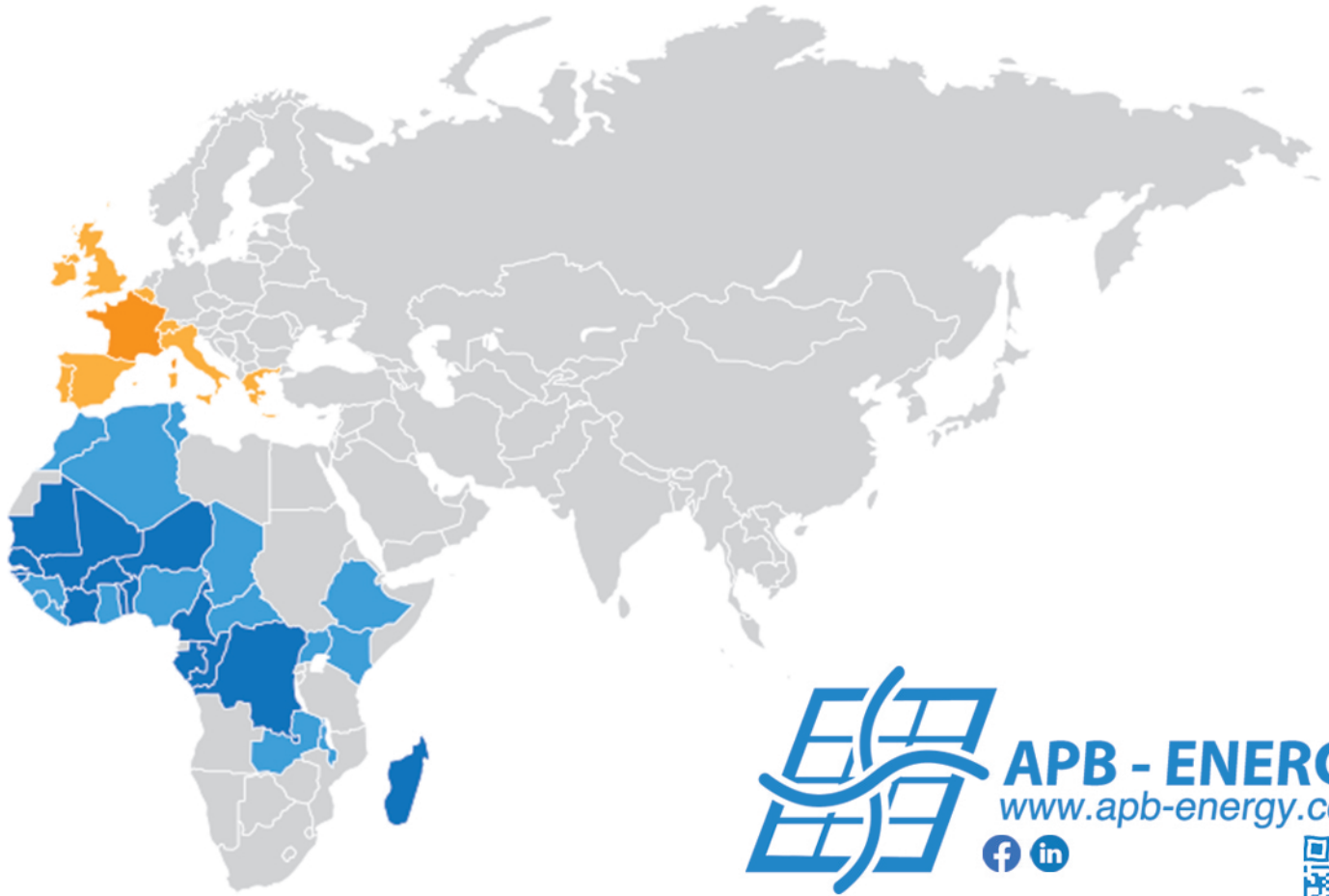
We analyse your pumping needs and using conditions in order to propose a full solution including all equipment and accessories. An electrical schema is provided for each system helping local installers to make a safe and reliable installation. Our technical team provide also a technical support in case of needs, mainly from our office, or sometimes on-field if requested or needed.

During all the lifetime, we also provide support and can send in urgency any spare parts needed.

## Technical training

We propose some technical training on solar pumping either for project manager, engineer or installers.





## Contact

For any enquiry,  
please contact us :

**APB-ENERGY**  
1474 route d'Annecy  
74370 - Charvonnex  
+33 (0)4 50 27 30 11  
[contact@apb-energy.com](mailto:contact@apb-energy.com)  
[www.apb-energy.com](http://www.apb-energy.com)

## APB-ENERGY in a few words

APB-ENERGY is specialised since 2007 in solar energy for offgrid situation and remote area. We are a human size company with high skilled engineer team, proven by 12 years of activity and feedback. Our headquarters are in France. We operate in international situations since the beginning. We can export and operate in all countries especially in Africa. We provide full solutions for professional partners as well as various NGO or international organisations.

Today, more than 2000 systems are in operation through the world.