

N.V. ELMAR Solar Policy

"Information about private production of solar energy"

Important requirements in the process of installing your solar installation

1. If the customer is interested in a solar panel he can send ELMAR an e-mail mentioning that he is planning to install a solar system, with all the available data, including at least:
 - The **address** where it will be installed, telephone number, and if available include an e-mail address as well.
 - The **power (kWp)** that one wishes to install and if there is more than one kWh-meter at the address one should indicate to which connection it will be interconnected. (A maximum of 10kW is allowed per domestic lot and 100kW per business lot). If there are two houses (two connections) on the same plot the 10kW will have to be divided among the two. For example 5kW per connection.
 - All information can be sent to solar@elmar.aw.
2. The customer who is interested in interconnecting will receive a draft Interconnection Agreement (a contract to interconnect) from ELMAR stating all the conditions under which one can interconnect. The interested party can read the conditions and decide whether to proceed with the plans. The benefits of interconnection will become effective after approval of the solar system and after signing the interconnection contract.
3. The customer who decided to get solar panels has to look for an electrician certified for this sort of work. The electrician shall submit a request with all the technical documents of the solar panels and the inverters at the Planning Department of ELMAR according to the application procedure that all electricians are aware of. The electrician must submit a site-plan, address and capacity of the solar panels to be installed. He must also submit proof of the current total capacity that was last inspected. Please take into account that when the Solar system is inspected DTI will also inspect the installation of the house or business. If parts of the installation have never been inspected before, these have to be inspected as well. It is not ELMAR's responsibility or of the other companies that sell solar panels that an installation has to be inspected. Take into account that any expenses due to the DTI inspection will be for the account of the customer.
4. The capacity of the solar system may not be larger than the capacity of the existing installation.
5. DTI will inspect the installation(s) in the presence of ELMAR. Official inspections are not in control of ELMAR. ELMAR's goal is to protect and safeguard its grid and the connection (cable, fuse box and meter).
6. When the inspection is being done the customer can decide to have the meter placed outside the yard at a spot approved by ELMAR. If the customer so decides he must have an adequate alcove (nis) for ELMAR to install the fuse box and the meter. A meter outside the yard is recommended but not obligatory. It is important to know that it is not possible to have the solar panels and a pre-paid meter on the same connection. If



someone has already installed a pre-paid meter this has to be cancelled and exchanged for one that is adequate for interconnection.

The best foundation for installation (shingles, panned or sink roof)

Before placing solar panels on the roof of the house the roof has to be in a good state of repair in order to carry the extra weight of the panels. We recommend the customer to get a professional to inspect whether the roof of the house can support the installation. ELMAR’s solar panel kits include installation brackets for shingles or sink roofs. If the customer wishes to install the solar panel kit on a panned roof the customer has to invest a little extra in another type of bracket, which will mean extra costs for the installation. Please contact a certified electrician for more information.

Blackouts and power failures

During blackouts or power failures the solar panels will not work. Due to safety reasons the system is automatically disconnected as soon as a power failure occurs.

7. DG interconnection Agreement ELMAR

One can only connect to the ELMAR grid, after the installation has been inspected and a signed Interconnection Agreement has been entered into with ELMAR. The contract entails all the requirements that the customer has to meet, e.g. monthly payments of a Grid Usage Fee. It also includes the duties of ELMAR towards the customer as regards payment if the Monthly Surplus.

Regulations for producing solar power		
Maximum capacity for production of solar power (per lot)	Residential 10kWp. This can generate a production of +/- 1.500 kWh per month.	Commercial 100kWp. This can generate a production of +/- 15.000 kWh per month.
Net Metering: the produced power and the power used are valued at the same price.	Possibility for the customer to deduct his solar power “1 on 1” from the one of ELMAR in order to “break even” or cover his own consumption. In the event more is produced ELMAR will buy the surplus.	Net Metering makes it possible that the meter takes into account what is overproduced and what is used of the grid, as such reducing the customer’s net use of the grid and his cost.

*This requires the solar panel system to be automatically synchronized with ELMAR’s 4 wire system, three phase.



Solar Tariff

Bill for solar power		
Grid Usage Fee: monthly fee for the use of solar panels on ELMAR's grid.	Afl. 15,- for each kWp installed. The first 3kWp residential is free.	This means that if the customer has an installation of 5 kWp ELMAR charges Afl 30,- per month for using the grid.
Fixed fee: fixed monthly fee for a standard connection on ELMAR's grid	Afl. 10,- A-Tariff (residential) Afl. 50,- B-Tariff (commercial)	All ELMAR customers pay this fee, whether they use solar power or not.

Purchase of solar power		
Monthly Surplus Residential tariff	ELMAR will buy all extra monthly produced solar power from the customer at 85% of tier 1 (Afl. 0,391) of tariff A (Residential). This currently is a tariff of Afl. 0,332 per kWh.	Monthly electrical surplus can occur when the system is over capacitated or when a client goes away on vacation. In order to buy the monthly surplus the system has to be inspected. As long as the system has not been inspected ELMAR will not pay the surplus to the customer.
Monthly Surplus Commercial tariff	ELMAR will buy all extra monthly produced solar power from the customer at 50% of tariff B (Commercial) (Afl. 0,503). This currently is a tariff of Afl. 0,251 per kWh.	
Invoice of Afl. 0,-	It is possible for a customer to generate a bill of Afl. 0,-	ELMAR buys the solar power; the Grid Usage Fee and Fixed Fee can be paid with the monthly power surplus.

