

**N.V. ELMAR Solar Policy**

*“Information about private production of solar energy”*

Ver: 3.5

Date: August 2022

**Important requirements in the process of installing your solar installation**

1. If a customer is interested in a solar panel system one can send ELMAR an e-mail mentioning that one is planning to install a solar system and should provide all with the available data including the following:
  - The **address** where it will be installed, telephone number, and if available include an e-mail address as well.
  - The capacity (**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](mailto:solar@elmar.aw);
2. The customer who is interested in interconnecting will receive a draft “DG 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 certified electrician 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. Additionally the electrician must submit a site-plan, address and capacity of the solar panels to be installed.
4. Before the customer starts with installation of solar panels, the customer must submit a proof of the actual load capacity which was last inspected and approved to the residence. Keep in mind that when the DTI comes to check the solar panels, the installation of the residence and or business will be also inspected. Should any part of the installation has not been inspected and approved before, then it must be approved first. ELMAR nor other companies which sells solar panels are responsible for the installation to get approve. Keep in mind that the costs to the DTI approval are for the account of the customer.
5. The capacity of the solar system may not be larger than the capacity of the existing Installation.
6. 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).

7. 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.
8. 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.
9. Before placing solar panels on the roof, the roof has to be in good condition and capable in order to carry the extra weight of the panels. We advise the customer to get a professional to inspect the integrity of the roof to make sure that it can support the installation. If the customer wishes to install the solar panel system on a roof with roof tiles the customer has to invest a extra in another type of bracket, which will mean extra costs for the installation. Please contact a certified electrician for more information.
10. 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.
11. One can only connect to the ELMAR grid, after the installation has been inspected and a signed "DG 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 due to Monthly Surplus.

| Regulations for producing solar Energy   |  |   |
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| <b>Maximum capacity for production of solar power (per lot)</b>                              | Residential 10kWp.<br>This can generate +/- 1.500 kWh per month.   | Commercial 100kWp.<br>This can generate +/- 15.000 kWh per month.   |
| <b>Net Metering: the produced power and the power consumed are valued at the same price.</b> | 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 per August 1 <sup>st</sup> , 2022                          |  |   |
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| <b>Grid Usage Fee: monthly fee for the use of solar panels on ELMAR's grid.</b> | Afl. 15,- for each kWp installed. The first 3kWp is free for residential | This means that if the customer has an installation of 5 kWp ELMAR charges Afl 30,- per month for using the grid. |
| <b>Fixed fee: fixed monthly fee for a standard connection on ELMAR's grid</b>   | Afl. 12.50,- A-Tariff (residential)<br>Afl. 100,- B-Tariff (commercial)  | All ELMAR customers pay this fee, whether they use solar power or not.  |

| Purchase of solar power per August 1 <sup>st</sup> , 2022 |  |  |
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| <b>Monthly Surplus Residential tariff</b>                 | ELMAR will buy all extra monthly produced solar power from the customer at 85% of tier 1 (Afl. 0,3853) of tariff A (Residential). This is currently Afl. 0,3275 per kWh. | Monthly electrical surplus can occur when the system is over capacitated or when a client goes away on vacation.<br><br>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 nor any produced energy to the customer. |
| <b>Monthly Surplus Commercial tariff</b>                  | ELMAR will buy all extra monthly produced solar power from the customer at 50% of tariff B (Commercial) (Afl. 0,6113). This is currently of Afl. 0,3056 per kWh.         |  |
| <b>Invoice of Afl. 0,-</b>                                | 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.   |