



## PUBLIC CALL

### ***FOR SUPPORT OF HOUSEHOLD CONSUMERS TO INVEST IN RENEWABLE ENERGY SYSTEMS - Photovoltaic (PV) System for Generation of Electricity for Self-Consumption***

*Since 2021, the energy crisis affecting Europe has exacerbated the situation of sustainable electricity supply for the citizens of the Republic of Kosovo. Insufficient domestic energy production capacity, dependence on imports, and unstable electricity prices in the international market have created uncertainties in electricity supply. Such a situation is considered to also hinder the economic development of the Republic of Kosovo, consequently incurring high costs for households and businesses.*

*According to statistics, the largest consumer of electrical energy in the Republic of Kosovo is the residential sector, contributing approximately 40% to its final consumption. The reduction of consumption through the increase of Energy Efficiency (EE) influences the reduction of the demand for electricity, helping households in reducing electricity bills and improving the security of the supply.*

*Considering this unstable energy supply situation, the Government of the Republic of Kosovo has undertaken concrete measures to address it. In line with Decision<sup>1</sup> No. 29/112, dated 13.12.2022, supplemented by Decision<sup>1</sup> No. 03/128, dated 16.02.2023, the Government of the Republic of Kosovo has approved the Action Plan on Mitigating the Immediate Socio-Economic Impact of the Energy Crisis, amounting to seventy-five (75) million euros, as a prerequisite for benefiting financial funds from the European Union (EU) for the Annual IPA Program 2023.*

*This plan envisions the implementation of immediate and short-term measures for the winter period, through direct financial support for needy and socially disadvantaged families, promoting energy saving by residential consumers, supporting families through increasing Energy Efficiency (EE) in residential units and buildings, as well as investments in efficient equipment and renewable energy systems for residential consumers.*

*Based on Measure four (4) of the Action Plan on Mitigating the Immediate Socio-Economic Impact of the Energy Crisis, the Ministry of Economy (ME) announces a Public Call for support of household consumers, especially those in need, to invest in renewable energy systems - Photovoltaic System (PV) for generation of Electricity.*

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<sup>1</sup> <https://gzk.rks-gov.net/ActsByCategoryInst.aspx?Index=3&InstID=3&CatID=30>



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## **1 SYSTEM TO BE SUBSIDIZED FOR HOUSEHOLD CONSUMERS**

Installation of the photovoltaic (PV) system for generation of electricity for self-consumption.

Only one (1) Photovoltaic (PV) system for generation of electricity for self-consumption per one (1) house shall be subsidized and the system purchased must be new.



## 2 TECHNICAL AND GENERAL CRITERIA

In the table below you can find the application criteria, the technical criteria, the value of the subsidy and additional clarifications for each of the equipment to be subsidized.

Table 1.0

SYSTEM	APPLICATION CRITERIA	TECHNICAL CRITERIA OF EQUIPMENT	SUBSIDY VALUE	ADDITIONAL CLARIFICATIONS
<b>Installation of the photovoltaic (PV) system for generation of electricity for self-consumption</b>	<p><b>Application criteria for Phase I:</b></p> <p><b>a.</b> Your house must be in tariff group 4/01 or 4/02 (household);</p> <p><b>b.</b> Your house must be thermally insulated<sup>2</sup>;</p> <p><b>c.</b> The house must be occupied and the monthly electricity consumption not less than 250 kWh/month for at least ten (10) months within the twelve (12) months of 2023;</p>	<p><b>Photovoltaic (PV) modules</b></p> <p><b>a.</b> Photovoltaic (PV) modules must be eligible according to the current IEC (International Electrotechnical Commission) or other international valid certifications for the European Union market such as:</p> <ul style="list-style-type: none"> <li>• ISO – International Standardization Organization</li> <li>• EN – European Standards</li> </ul>	<p>It is subsidized <b>€250/kWh</b> and up to <b>1750.00 €</b>.</p>	<p>For technical reasons, this photovoltaic system is applicable only for houses.</p> <p>For household electricity consumers connected to the low voltage of the distribution network (0.4kV), the maximum installed capacity is 7 kWp according to the ERO Rule on</p>

<sup>2</sup>The external envelope of the house: The external walls of the house must be thermally insulated (e.g., styropor, stone wool) and the windows and external doors must be in good technical and physical condition and have at least double-pane glass;



	<p>d. Have the minimum annual consumption in the last year<sup>3</sup> of 4,000<sup>4</sup> kWh/year</p> <p>e. The proposed capacity for investment at the time of application must be in accordance with the applicable ERO's Rule on Prosumers of Renewable Sources.<sup>5</sup></p> <p>f. The project must be prepared by one of the installation companies registered in Kosovo.</p> <p>g. To have Consent for Connection to the network from KEDS (from the date of entry into force of the Rule on Prosumers of ERO).</p>	<p>IEEE – Institute of Electrical and Electronics Engineers</p> <p>b. The nominal power of the photovoltaic modules is &gt; 250 Wp</p> <p>c. The efficiency of photovoltaic modules under standard test conditions (STC) must not be less than 20%.</p> <p>d. Photovoltaic modules must be guaranteed for at least ten (10) years against failures due to defects and quality of materials.</p> <p>e. Photovoltaic (PV) modules must have linear power degradation of no more than 0.8% per year up to the twenty-fifth (25) year of</p>		Prosumers of Renewable Sources.
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<sup>3</sup> Time period January - December 2023

<sup>4</sup> Clarification: The annual electricity consumption requirement of 4000 kWh/year derives from the fact that projects with installed power below 3 kWp have a higher unit cost, and the savings effect is very low.

<sup>5</sup> Consultation with the installation company is recommended.



	<p><b>Application criteria for Phase II:</b></p> <ul style="list-style-type: none"><li>a. To have authorization from ERO (from the date of entry into force of the Rule on Prosumers of ERO).</li><li>b. To have the report technical acceptance of the capacity installed by KEDS for electrification.</li></ul>	<p>operation (excluding the first year of operation).</p> <ul style="list-style-type: none"><li>f. The temperature range must not be lower than -30 °C up to +50 °C</li><li>g. The frame of the photovoltaic (PV) modules must be made of corrosion-resistant materials</li><li>h. Permissible snow/wind load: not less than 5300 Pa / 2300 Pa</li><li>i. Equipped with the CE conformity marking.</li></ul> <p><b>Design of the structure for the assembly of photovoltaic (PV) modules</b></p> <ul style="list-style-type: none"><li>a. The assembly structure must be designed in such a way as to withstand the wind speed in the areas where the photovoltaic (PV) systems are proposed to be installed. The</li></ul>		
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		<p>design of the structure for the assembly of the photovoltaic modules on the roof must be suitable with a safety factor of not less than 1.5.</p> <p style="text-align: center;"><b>Inverters</b></p> <ul style="list-style-type: none"><li>a. Equipped with the CE conformity marking.</li><li>b. The inverter/s must be qualified in accordance with the current International Electrical Code - IEC or other international certifications valid for the European Union market.</li><li>c. The inverter must have a warranty of <math>\geq 5</math> years.</li><li>d. Maximum inverter efficiency must not be less than 97%</li><li>e. The temperature range must not be lower than <math>-20\text{ }^{\circ}\text{C}</math> up to <math>+50\text{ }^{\circ}\text{C}</math></li><li>f. Frequency variation range within: 45-55 Hz</li><li>g. The power factor at the rated power must be greater than or</li></ul>	
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		<p>equal to 0.99</p> <ul style="list-style-type: none"><li>h. Protection rating (according to IEC 60529): IP 65</li><li>i. The inverter must have an internal (built-in) protection system:<ul style="list-style-type: none"><li>(i) AC and DC side overcurrent protection</li><li>(ii) AC overvoltage/undervoltage protection</li><li>(iii) AC overfrequency/underfrequency protection</li><li>(iv) Protection against reverse polarity of DC side connection</li><li>(v) Anti-islanding</li></ul></li><li>j. The inverter must be equipped with a display to monitor the data shown below:<ul style="list-style-type: none"><li>(i) DC power input</li><li>(ii) DC voltage input</li><li>(iii) DC current</li><li>(iv) AC power output</li><li>(v) AC voltage output</li><li>(vi) AC current output</li></ul></li></ul>		
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		<p style="text-align: center;"><b>Cables</b></p> <ul style="list-style-type: none"><li>a. Cables must be qualified in accordance with the current IEC or other international certifications valid for the European Union market.</li><li>b. The cables must be compatible for photovoltaic (PV) systems capable of withstanding challenging environmental conditions, including high temperatures, UV radiation, rainfall, humidity, impurities, exposure to microorganisms, and voltages according to the latest IEC standards.</li><li>c. Equipped with the CE conformity marking.</li></ul> <p style="text-align: center;"><b>Distribution boxes</b></p> <ul style="list-style-type: none"><li>a. All boxes must be equipped with adequate protective elements, proper functionality, and safety features (including fuses, grounding, etc.).</li><li>b. The boxes must be</li></ul>		
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		<p>impermeable to water, parasites, dust, and should be manufactured of thermoplastic/metallic materials in accordance with IEC 62208, resistant to UV (ultraviolet) rays and fire, and have a minimum protection of IP 65 (outdoor environment) and IP 20 (indoor environment).</p> <p>c. Equipped with the CE conformity marking.</p>		
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### **3 HOW TO APPLY FOR SUBSIDY**

The subsidy application is divided into two (2) phases and in the two (2) phases the application is made online through the e-Kosova platform.

#### **Application steps**

##### **Phase I**

1. Make sure you meet the application criteria regarding electricity consumption here: <https://ekosova.rks-gov.net/485>
2. Download the “Appendix 1” form from the e-Kosova platform at the link above and with the help of the installation company fill in and upload the form;
3. Upload the e of receipt of the Consent for Connection to the network from KEDS (from the date of entry into force of the Rule on Prosumers of ERO);
4. Upload photos of the area where the solar photovoltaic panels will be installed;

After verification by the commission that the required documentation are in conformity with the criteria, you will be notified that you have been qualified for this phase and can proceed with the installation of the photovoltaic (PV) system for the generation of electricity according to the technical criteria specified in the Call. You will be notified about the results of the application in phase I according to the official deadlines, within ten (10) working days.

You will receive the link for application for the second phase in the email address by which you opened your e-Kosova account.



## Phase II

After installing the photovoltaic (PV) system for generation of self-consumption electricity, in accordance with the criteria specified in the Call, you must apply for the Phase II through the e-Kosova platform in order to be able to benefit from this subsidy, by uploading the following documents:

1. Fiscal coupon or regular invoice with proof of payment through bank transfer of the purchase of the system (***the date of purchase must be from the date of the announcement of the Call on 06.02.2024***);
2. Photos of the photovoltaic (PV) system for the generation of electricity for self-consumption installed according to the criteria specified in the Call;
3. The data sheet with the technical specifications of the photovoltaic modules that proves the fulfillment of the criteria for preliminary verification (Item V of Appendix 1);
4. The data sheet with the technical specifications of the inverter that proves the fulfillment of the criteria for preliminary verification (Point V of Appendix 1);
5. Evidence of authorization from ERO (from the date of entry into force of the Rule on Prosumers of ERO);
6. Report of technical acceptance of the capacity installed by KEDS for electrification, according to the legislation in force.
7. Your subsidy agreement will be automatically generated on the e-Kosova platform. This agreement must be downloaded, signed, and uploaded along with the above-mentioned documents.

At this stage, you are required to enter the bank account number, which must be in the name of the applicant and with any of the licensed banks within the Republic of Kosovo.

After uploading the documents listed above on the e-Kosova online platform, you will receive one (1) automatic notification with the following content: *"Your application has been successfully completed. Your application will be evaluated by the relevant Commission of the Ministry of Economy (ME), which will review whether the evidence uploaded on the e-Kosova platform is in conformity with the criteria of this Call. You will be notified of the results of the application according to the official deadlines"*.

If your application is evaluated positively by the relevant Commission of the Ministry of Economy (ME), you will be notified through the e-Kosova platform and you will receive the funds of the subsidy in your bank account.

The photovoltaic (PV) system for generation of electricity must be installed and ready for inspection by the time you apply for the second phase.



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## **Application deadline**

The application deadline for the first phase is until **30 September 2024**, or until spending the budget allocated for this Call. Applications received in the first phase will be reviewed on the “**FIRSTCOME, FIRST SERVED**” basis, therefore we encourage you to apply as early as possible.

Meanwhile, the deadline for the second phase is until **30 November 2024**.

## **Right to appeal**

Applicants who consider that their application has not been evaluated correctly by the relevant Committee of the Ministry of Economy (ME), can exercise the right to appeal within the deadline of thirty (30) days from the day of receipt of the notice, in accordance with the Law on General Administrative Procedure (LGAP). The appeal shall be addressed to the Ministry of Economy (ME), as the authority that published the Call to the email address: [komisioni.ankesa@rks-gov.net](mailto:komisioni.ankesa@rks-gov.net)

## **Additional clarifications:**

For more information and additional clarification regarding the application phases, please contact us in writing via e-mail: [info.subvencionet@rks-gov.net](mailto:info.subvencionet@rks-gov.net) or contact the following phone numbers:

☎ 038 200 215 89

☎ 038 200 215 55

From Monday to Friday, starting from: 08:30-12:00 and from 13:00-16:00.



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**Appendix 1: Application form (completed with the assistance of the installation company)**

<b>I. Applicant details</b>		
Name		
Surname		
Personal No.		
Home address		
Phone		
E-mail		
<b>The following data to be completed by the installation company</b>		
<b>II. Electro-energetic data</b>		
Customer number (KESCO ID):	_____	<input type="checkbox"/> The proposed PV project has the consent from KEDS
Connection voltage level:	<input type="checkbox"/> 0.4 kV	
Tariff group:	<input type="checkbox"/> 4/01 Household <input type="checkbox"/> 4/02 Household	
Minimum annual consumption in the last year:	<input type="checkbox"/> > 4,000 kWh	
<b>III. Photovoltaic (PV) system data</b>		
PV system capacity:	_____kWp	
Annual output of the PV system:	_____kWh	
Annual consumption of the facility:	_____kWh	
Total cost of the PV system:	_____Euro	
Specific cost of the PV system:	_____Euro/kWp	
Area covered by the photovoltaic modules:	_____m <sup>2</sup>	
<input type="checkbox"/> The facility has sufficient roof area for the PV system		



IV. Installer and statement on technical standards	
Installer business name	
Installer business number (UIN)	
E-mail address	
Phone number	
V. Technical criteria selected for verification:	
Device data:	Criterion required for verification ( <i>mark with an X if the criterion is met</i> )
<b><u>Photovoltaic (PV) modules</u></b>	<input type="checkbox"/> The efficiency of photovoltaic modules under standard test conditions (STC) must not be less than 20% <input type="checkbox"/> Equipped with the CE conformity marking.
<b><u>Inverter</u></b>	<input type="checkbox"/> Maximum inverter efficiency must not be less than 97% <input type="checkbox"/> Equipped with the CE conformity marking.
VI. Minimum technical criteria required: ( <i>mark with an X if the criterion is met</i> )	
<b>Photovoltaic (PV) modules</b> <input type="checkbox"/> Photovoltaic (PV) modules must be eligible according to the current IEC (International Electrotechnical Commission) or other international valid certifications for the European Union market such as: <ul style="list-style-type: none"> <li>• ISO – International Standardization Organization</li> <li>• EN – European Standards</li> <li>• IEEE – Institute of Electrical and Electronics Engineers</li> </ul> <input type="checkbox"/> The nominal power of the photovoltaic modules is > 250 Wp <input type="checkbox"/> Photovoltaic modules must be guaranteed for at least ten (10) years against failures due to defects and quality of materials. <input type="checkbox"/> Photovoltaic (PV) modules must have linear power degradation of no more than 0.8% per year up to the twenty-fifth (25) year	<b>Inverter</b> <input type="checkbox"/> The inverter/s must be qualified in accordance with the current International Electrical Code - IEC or other international certifications valid for the European Union market. <input type="checkbox"/> The inverter must have a warranty of $\geq 5$ years. <input type="checkbox"/> The temperature range must not be lower than -20 °C up to +50 °C <input type="checkbox"/> Frequency variation range within: 45-55 Hz <input type="checkbox"/> The power factor at the rated power must be greater than or equal to 0.99 <input type="checkbox"/> The power Protection rating (according to IEC 60529): IP 65 <input type="checkbox"/> The inverter must have an internal (built-in) protection system: <ul style="list-style-type: none"> <li>(i) AC and DC side overcurrent protection</li> <li>(ii) AC overvoltage/undervoltage protection</li> <li>(iii) AC overfrequency/underfrequency protection</li> </ul>



of operation (excluding the first year of operation).

- The temperature range must not be lower than  $-30\text{ }^{\circ}\text{C}$  up to  $+50\text{ }^{\circ}\text{C}$
- The frame of the photovoltaic (PV) modules must be made of corrosion-resistant materials
- Permissible snow/wind load: not less than 5300 Pa / 2300 Pa

### Design of the structure for the assembly of photovoltaic (PV) modules

- The assembly structure must be designed in such a way as to withstand the wind speed in the areas where the photovoltaic (PV) systems are proposed to be installed. The design of the structure for the assembly of the photovoltaic modules on the roof must be suitable with a safety factor of not less than 1.5.

### Cables

- The power Cables must be qualified in accordance with the current IEC or other international certifications valid for the European Union market.
- The cables must be compatible for photovoltaic (PV) systems capable of withstanding challenging environmental conditions, including high temperatures, UV radiation, rainfall, humidity, impurities, exposure to microorganisms, and voltages according to the latest IEC standards.
- Equipped with the CE conformity marking.

(iv) Protection against reverse polarity of DC side connection

(v) Anti-islanding

- The inverter must be equipped with a display to monitor the data shown below:

- (i) DC power input
- (ii) DC voltage input
- (iii) DC current
- (iv) AC power output
- (v) AC voltage output
- (vi) AC current output

### Distribution boxes

- All boxes must be equipped with adequate protective elements, proper functionality, and safety features (including fuses, grounding, etc.).
- The boxes must be impermeable to water, parasites, dust, and should be manufactured of thermoplastic/metallic materials in accordance with IEC 62208, resistant to UV (ultraviolet) rays and fire, and have a minimum protection of IP 65 (outdoor environment) and IP 20 (indoor environment).
- Equipped with the CE conformity marking.



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I declare that the project: **Installation of photovoltaic system (PV) for generation of electricity** is in accordance with the requirements of the ERO's Rule on Prosumers of Renewable Sources and that the photovoltaic system fulfills all Technical Standards according to Call No. 02/2024 dated 06.02.2024.

\_\_\_\_\_  
*Name and surname, signature of the responsible person authorized by the installation company and stamp.*

Completing this form means authorizing the institution to use the data included herein for the purposes of this Project!

***Note:** According to the Criminal Code of the Republic of Kosovo, Article 299 Defrauding purchasers, "Whoever, with the intent to defraud purchasers, distributes products stamped with written data that does not correspond to the content, type, origin or quality of the product, distributes products whose weight or quality does not correspond to what is regularly expected in such products or distributes products without a stamp indicating the content, type, origin, or quality of the product when such a stamp is required by law shall be punished by a fine or by imprisonment of up to three (3) years".*

**First and last name of applicant:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Place:** \_\_\_\_\_