

# **Special solar photovoltaic panels in Estonia**





## Overview

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How much energy does a solar PV system produce in Tallinn?

Average 1.54kWh/day in Autumn. Average 0.50kWh/day in Winter. Average 3.97kWh/day in Spring. To maximize your solar PV system's energy output in Tallinn, Estonia (Lat/Long 59.433, 24.7323) throughout the year, you should tilt your panels at an angle of 49° South for fixed panel installations.

Why should you install solar panels in Estonia?

The energy productivity of solar panels installed in Estonia is equivalent to the southern countries, as Estonia's cooler climate increases the efficiency of solar panels. We offer our customers turnkey construction of a solar park, starting from the design to the connection point, the construction of substations.

How much solar radiation does Estonia produce a year?

In Estonia, the amount of solar radiation is comparable to Central Europe; the average amount of radiation has an optimal slope and azimuth of 1100-1200 kWh/m<sup>2</sup>, 85% of which falls between April and October. An optimally installed 1 kW PV plant produces 900 to 1000 kWh of energy per year.

What angle should solar panels be installed in Tallinn?

To optimize the efficiency of a solar PV system installed here, it is recommended that panels be tilted at an angle of 49 degrees facing South. However, Tallinn's position within the Northern Temperate Zone presents some challenges for consistent solar power generation throughout the year.

What is the maximum voltage for a solar roof system?

The maximum system voltage for both products is 600 V. The Solar Roof system consists of standard PV panels fitted with Click-on technology and aluminum composite panels (ACPs).

Where should solar PV installations be installed?



Additionally, any area with a high degree of sunlight exposure would also be beneficial for solar PV installations as it maximizes potential power output. Estonia ranks 58th in the world for cumulative solar PV capacity, with 414 total MW's of solar PV installed.



## Special solar photovoltaic panels in Estonia

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### [TOP SOLAR PANEL SUPPLIERS IN ESTONIA](#)

Enter your panel size and orientation below to get the minimum spacing in Tallinn, Estonia..  
Estonian solar panel installers - showing companies in Estonia that undertake solar panel ...

### [Product Information](#)

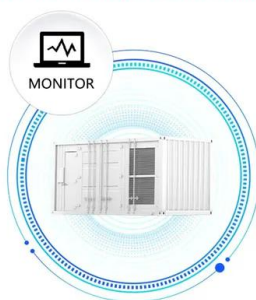
### [Solar PV Analysis of Tallinn, Estonia](#)

So far, we have conducted calculations to evaluate the solar photovoltaic (PV) potential in 20 locations across Estonia. This analysis provides insights into each city/location's potential for ...

### [Product Information](#)



SUPPORT REAL-TIME ONLINE  
MONITORING OF SYSTEM STATUS



### **Building integrated photovoltaics (BIPV) manufacturer for Estonia**

Metsolar produces unlimited variety of tailored BIPV solar panels for Estonia and other regions of EU, that are efficient, cost competitive and have exclusive design possibilities. Our agile ...

### [Product Information](#)

### [Photovoltaic solar panels in Estonia](#)

Why should you install solar panels in Estonia?  
The energy productivity of solar panels installed in Estonia is equivalent to the southern countries, as Estonia's cooler climate increases the ...



## [Product Information](#)



### Solar panels

We are one of the few companies in Estonia that can build solar parks with its team without using subcontracting, starting from solar panels to the construction of the connection point/substation.

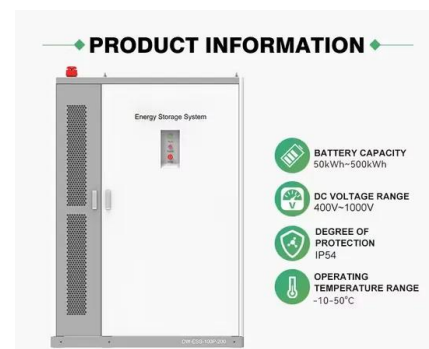
## [Product Information](#)



## [Top 28 Solar Energy Companies in Estonia \(2025\)](#) [ensun](#)

Smartecon is a prominent player in the solar energy sector, providing sustainable and cost-effective solar panel solutions, including the installation of solar electric systems and the ...

## [Product Information](#)



### Non-Technical Summary

1. INTRODUCTION KC Energy are intending to undertake the construction and operation of two adjacent Solar Photovoltaic (PV) plants, with a total capacity of 52,5 MWp located near Kehra ...

## [Product Information](#)



## [Top 28 Solar Power Companies in Estonia \(2025\)](#) [, ensun](#)

Naps is a specialized manufacturer of photovoltaic systems and solar electricity solutions, offering a wide range of products and services, including custom-made solar modules and both grid ...

[Product Information](#)



## **EBRD and EU support construction of Pihlaka solar farm in Estonia**

KC Solar2 OÜ is a special purpose vehicle incorporated in Estonia, established for the sole purpose of developing, constructing and operating a portfolio of two solar photovoltaic ...

[Product Information](#)

## [Top Manufacturer of Solar Panels Estonia in 2024](#)

Location (Headquarters): Shenzhen, China Year Established: 2013 Primroot is a leading-edge professional solar panels & inverter manufacturer based in the high-tech hub of ...

[Product Information](#)



## **Solar System Installers in Estonia , PV Companies List , ENF ...**

List of Estonian solar panel installers - showing companies in Estonia that undertake solar panel installation, including rooftop and standalone solar systems.

[Product Information](#)



### [Estonia solar project Approved: 300 MW Solar Power Plant ...](#)

Estonia solar project transforms a former oil shale site into a 300 MW solar and 600 MW storage hub. Discover how it powers 100,000 homes--read more now!

#### [Product Information](#)



### **SOLAR PANELS IN ESTONIA**

Explore the solar photovoltaic (PV) potential across 12 locations in Estonia, from Maardu to Elva. We have utilized empirical solar and meteorological data obtained from NASA's POWER API ...

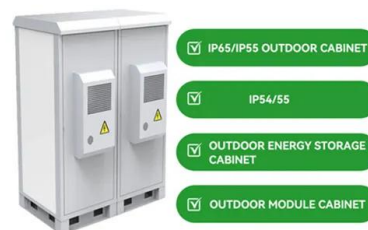
#### [Product Information](#)



### [Q& A: Europe's Version of Tesla, the New Clickable Solar](#)

In 2017, the first Roofit.solar roofs were installed in Estonia by Tallinn-based company Roofit.solar Energy OÜ. The company's 2-in-1 product--a metal roof with integrated solar panels--looks ...

#### [Product Information](#)



### **Estonia type of solar panels**

Top Solar Panel Distributors Suppliers in Estonia Wholesale Solar Panels For Sale Homeowners and all types of businesses these days are seeking ways to cut down on their power ...

#### [Product Information](#)



### [Top Manufacturer of Solar Panels Estonia in 2024](#)

From high-efficiency solar panels to sophisticated solar inverters and batteries, Naps Solar Estonia caters to both residential and commercial needs, ensuring top-tier quality and reliability.

### [Product Information](#)



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