

# Solar PV in Europe

Leading the energy transition

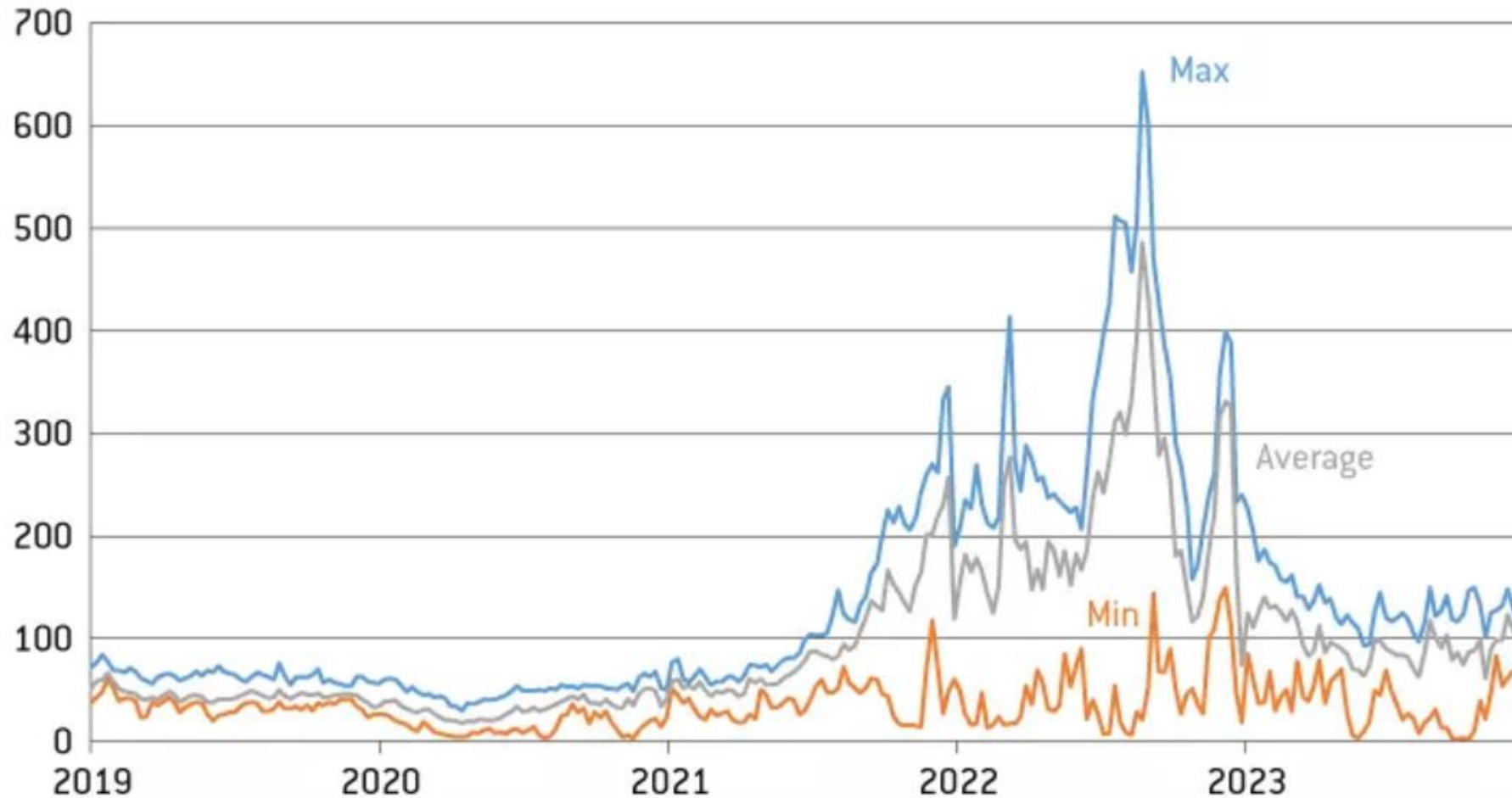


[solarpowereurope.org](http://solarpowereurope.org)



# Remember this?

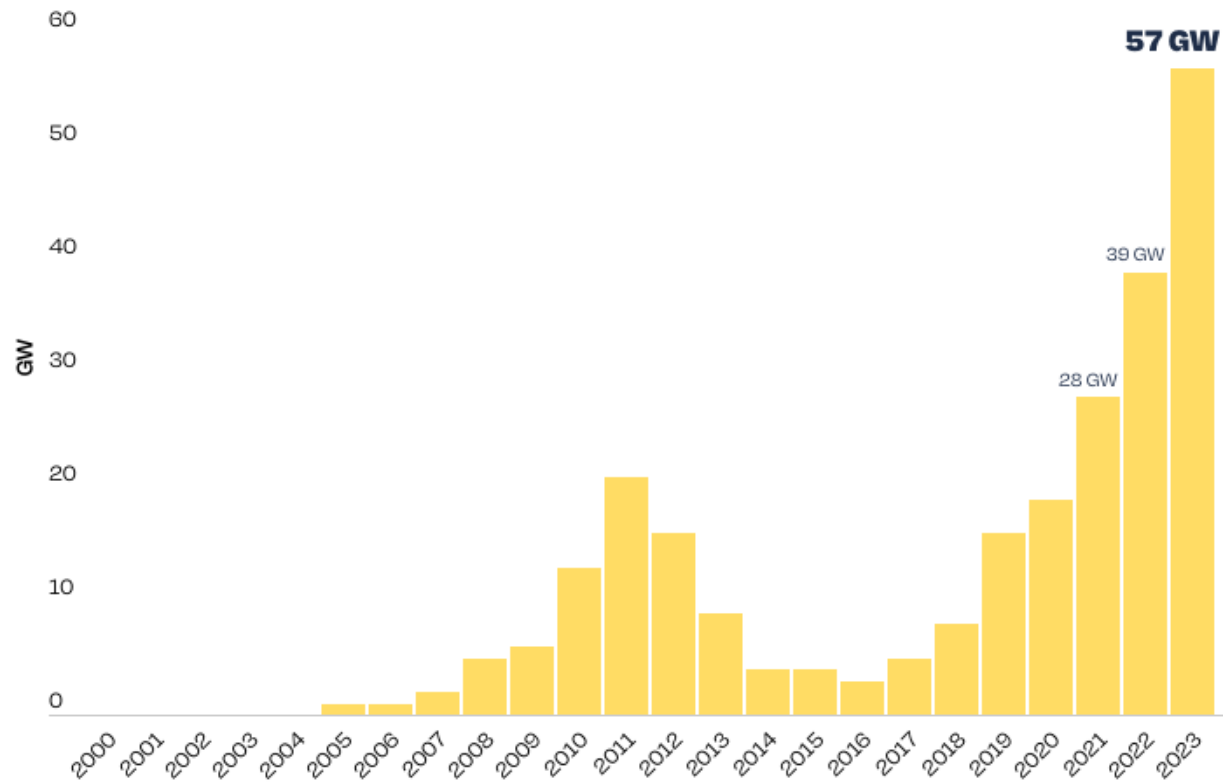
Renewables helped Europe come out of the energy crisis faster



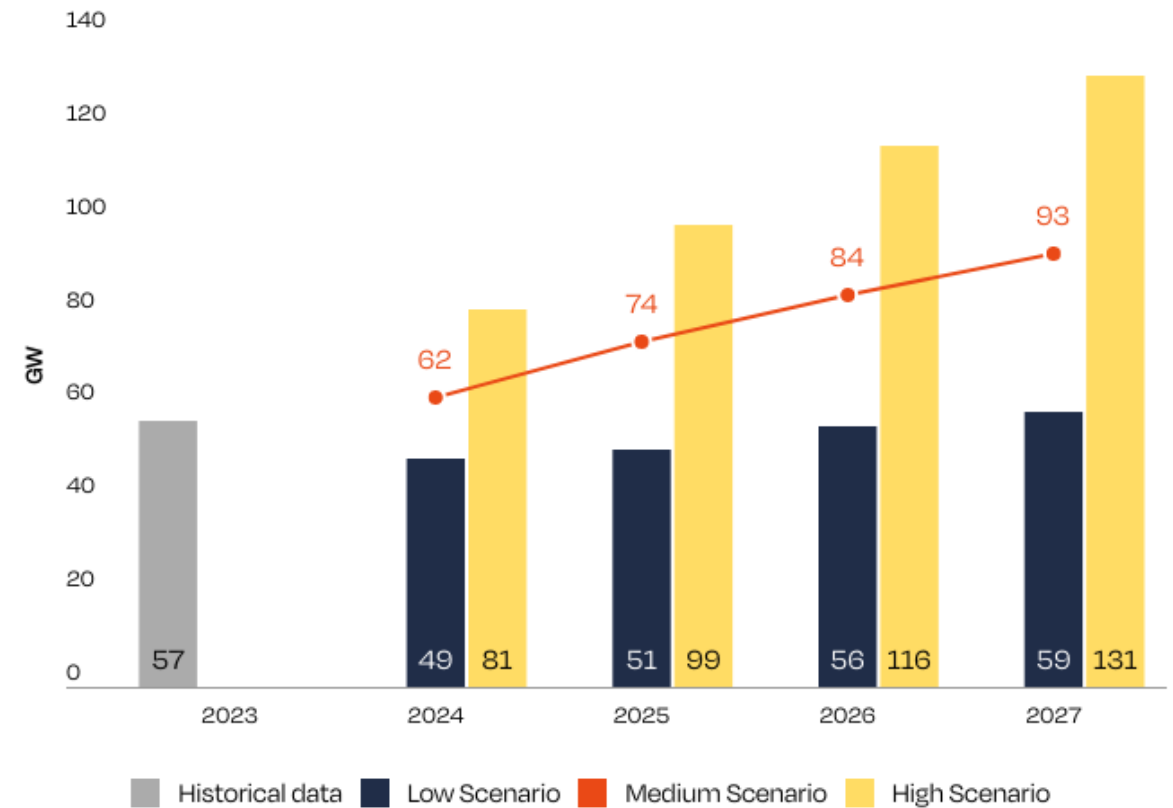
Average Wholesale electricity prices, EUR/MWh, EU  
Source: Bruegel

# Solar is booming across Europe; further growth at slower pace

EU-27 solar PV annual installed capacity, 2000-2023

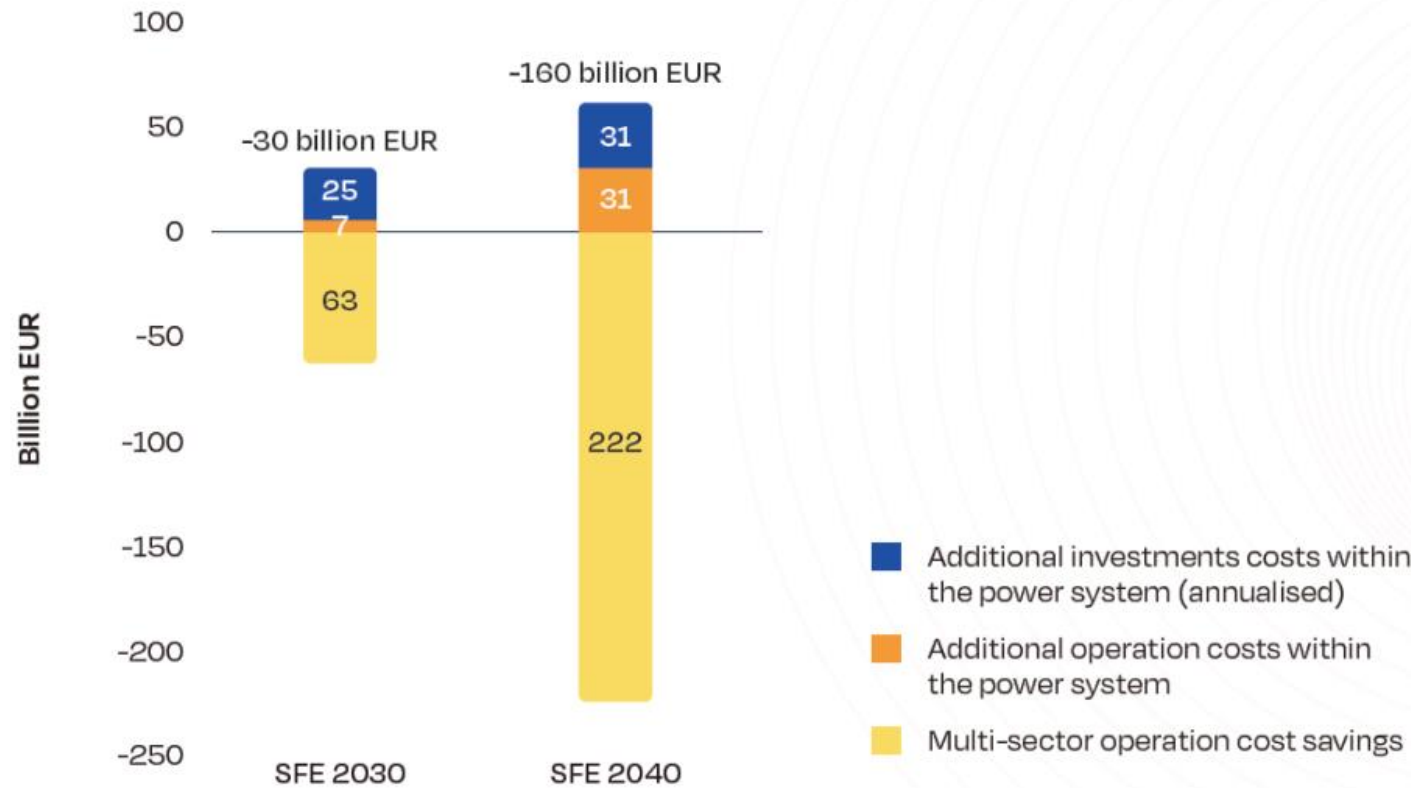


EU-27 solar PV market forecast, 2024-2027



# Solar + flexibility lowers wholesale electricity prices, improving EU competitiveness and energy security

FIGURE 13 ANNUAL ENERGY SYSTEM COSTS 2030 AND 2040 IN THE SFE SCENARIO VS. BASELINE



More renewables, batteries, grids and electrification brings:

- **€63 bln** in net energy system costs savings in 2030
- **€222 bln** in net energy system costs savings by 2040
- Wholesale market prices reduced **by 25%** compared to wholesale market prices today

# What's next for the energy transition?

1

## **Embark on a flexibility revolution**

Implement the new EU Electricity Market rules; Complete the Internal Energy Market; Put in place support policies for battery storage

2

## **Improve permitting procedures for renewables**

Reduce timelines; Develop digital tools; Map out acceleration areas

3

## **Integrate solar in social and agricultural policies**

Solar on social housing; agrisolar for farmers

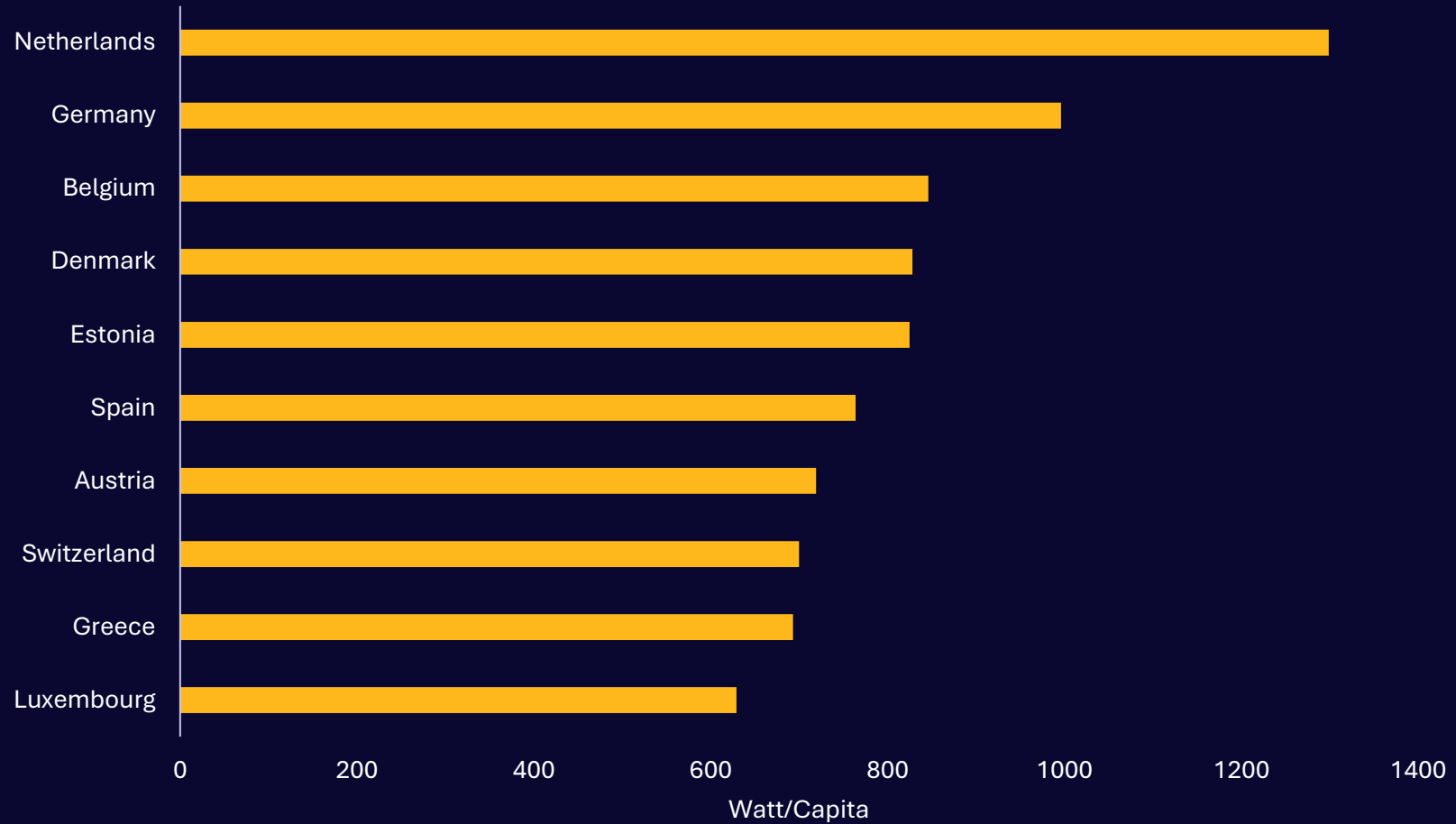
4

## **Support solar manufacturing**

With particular focus on European solar inverters for cybersecurity

# Who is leading in Europe?

## Top 10 Europe: Watt per capita 2023



Latvia almost at the bottom of the list with 360 Watt/capita...

## Contact me if you want to engage further on:

SolarPower Europe membership benefits

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Political and policy developments in the EU

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National market drivers and challenges

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International trade & manufacturing

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