



**Press Release**  
**August 14<sup>th</sup> 2023**

## **ESF presents Smartflower**

***Presenting the Smartflower, an extraordinary solar innovation brought to you by Environmental Street Furniture Ltd (ESF). This remarkable technology elegantly tracks the sun's trajectory throughout the day, optimizing the capture of solar energy and providing efficient power supply for residences and enterprises.***

With its sleek aesthetics and intelligent sun-tracking mechanism, the Smartflower signifies a groundbreaking shift in renewable energy generation, seamlessly blending sustainability with style.

ESF has successfully deployed Smartflowers across various European regions, including Northern Ireland and Kazakhstan. As the authorized distributor for Smartflower in Northern and Southern Ireland, ESF is now at the forefront of introducing this pioneering technology. This partnership brings the Smartflower's sophisticated capabilities to homes and businesses in Northern Ireland and the Republic of Ireland.

The Smartflower, a flagship model in the innovative Smartflower series, boasts user-friendly plug-and-play solar power generation and a remarkable 40% increase in output compared to conventional solutions. Its state-of-the-art construction and synchronized components enable the system to yield an average of approximately 4,000 kWh per year. This output effectively covers the entire average electricity demand of a household within the central European region.



Smartflower represents a paradigm shift, where system size is no longer the sole metric of significance. What truly matters is the consistent energy production throughout the day, facilitating optimal energy utilization.

Remarkably, Smartflower achieves an impressive self-utilization rate of around 60%, a substantial enhancement compared to average rooftop units, which typically operate at only around 30%. This is the essence of intelligent design.

Depending on the geographical region, Smartflower generates between 3,400 and 6,200 kWh of clean energy. The provided numerical examples are based on approximate consumption patterns of common electrical appliances. The calculations assume a twelve-hour duration between sunrise and sunset during the middle of the year.

Embrace the future of solar technology with Smartflower – where elegance meets efficiency, and sustainability meets innovation, brought to you by ESF.

### **ENDS**

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