OXFORD PV

Solar that takes you further.

Oxford PV is a global leader in perovskite PV technology. Founded in 2010 as a spin-out from the University of Oxford, we have transformed breakthrough science into industrial reality. Our perovskite-on-silicon tandem solar technology delivers substantially higher efficiency than conventional silicon, providing more energy per area and weight, while unlocking new possibilities for a wide array of industries and innovative solar solutions.

Oxford PV in numbers

1st commercial shipment and licensing agreement

7 world records in cell and module efficiency

400+ granted patents

10+ years of experience in R&D and manufacturing

From Research to Commercial Reality

Oxford PV spans the entire value chain, from cutting-edge R&D in Oxford, UK, to industrial-scale manufacturing in Brandenburg, Germany. Our Brandenburg facility hosts the world's first production line for perovskite-on-silicon tandem PV modules, combining advanced engineering and deep manufacturing expertise to bring next-generation solar technology to commercial scale.

Oxford PV holds the strongest global IP portfolio in perovskite PV and is strategically engaging with interested manufacturers in patent-licensing agreements, accelerating broader adoption of perovskite PV technologies.





We make next-generation solar mainstream – accelerating the transition to an all-electric world.

Empowering customers across all segments

Oxford PV empowers customers to achieve greater value and advance their sustainability goals through next-generation solar technology. We provide solutions for energy providers seeking higher returns, as well as premium and specialty customers requiring maximum performance.



Mainstream

Oxford PV's tandem solar technology enables energy providers to generate 20%+ more power per area than conventional modules – maximising energy yield and site value while reducing LCOE. Suitable for deployment in mainstream applications including utility-scale, commercial and industrial, and residential, helping customers achieve higher performance at any scale.



Premium

Oxford PV empowers customers to maximise energy output wherever space is at a premium – unlocking new possibilities for high-performance solar integration. Ideal for applications such as agri-voltaics, heavy electric vehicles, and building-integrated systems.



Specialty

Our technology transforms the impact of solar by delivering more power at every altitude. With increased power density, our tandem technology enables new paradigms in solar power – from performance improvements in aerial applications to accelerating the transition to clean transportation systems.

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Discover the Oxford PV Technology Advantage

Oxford PV's perovskite-on-silicon tandem modules set a new benchmark for solar performance and sustainability. Powered by our proprietary **HyPERcell** technology, these modules combine a high-performance perovskite layer with silicon technology – delivering record-breaking efficiency that enables a cleaner energy future.

Centaur Series – Mainstream Solar, Maximum Impact

The Centaur module is Oxford PV's flagship solution for utility-scale and commercial solar projects, setting new standards for efficiency in mainstream energy generation.



- **Industry-leading efficiency:** 25.0% efficiency today, with a roadmap to 27% by 2027 and 30% by 2030
- **More energy, same space:** Delivers 20%+ more power per area, maximising returns for project developers and asset owners
- **Flexible format:** Available in both 60 or 72 cell sizes as well as in mono- and bifacial formats, to suit a wide range of installation needs
- **Certification:** Designed to meet IEC standards for quality and safety
- **Lifetime:** 10-year product performance lifetime



Solar that takes you further.

Pegasus Series – Solar Where Others Can't Go

Pegasus delivers high-efficiency solar in lightweight, flexible formats for demanding applications: aerospace, mobility, marine, and portable power.

- **Lightweight & flflexible:** Ideally suited for building integration, vehicles, HAPS, and satellite applications
- **More power per weight:** Delivers 20%+ more energy per kilogram than conventional panels
- **Highly customisable:** Tailored solutions for unique and demanding customer requirements



Visit www.oxfordpv.com to learn more about our industry-leading technology.

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