

Solar Panels - UK - September 2019

Report Price: £995.00 | \$1343.55 | €1119.77

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



“The UK solar PV market is moving into a post-subsidy phase. While market conditions will remain challenging in the short term, there is optimism for strong growth to return to the subsidy-free UK solar PV market, reflecting falling costs in solar technology, innovation in solar-plus-storage systems as well as the emergence of innovative finance and business models.”
– Claudia Preedy, B2B Analyst

This report looks at the following areas:

- Energy storage systems and growing EV market to drive take-up of rooftop solar PV in post-subsidy world
- Community solar PV schemes face considerable challenges but new opportunities are starting to emerge

The UK solar PV market only started to emerge properly in 2010 but grew rapidly between 2011 and 2015. Since 2015, the government has introduced major cutbacks for solar PV support schemes, including the early closure of the RO scheme to solar PV (mainly affecting ground-mounted installs), the exclusion of solar PV from CfD auctions and a drastic reduction in FiT rates (affecting rooftop installs) in early 2016, followed by the closure of the scheme at the end of March 2019. This has caused solar PV installations to plummet and significant fluctuations in deployment, with peaks in deployment evident just prior to the various deadlines of government support schemes. Unsurprisingly, this has posed significant challenges to the industry.

With all government support now removed, the UK solar PV market is moving into a post-subsidy phase. While market conditions will remain challenging in the short term, there is optimism for strong growth to return to the subsidy-free UK solar PV market, reflecting continuing falling costs, innovation in solar-plus-storage systems and the emergence of innovative finance and business models.

**BUY THIS
REPORT NOW**

VISIT:
store.mintel.com

CALL:
EMEA
+44 (0) 20 7606 4533

Brazil
0800 095 9094

Americas
+1 (312) 943 5250

China
+86 (21) 6032 7300

APAC
+61 (0) 2 8284 8100

EMAIL:
reports@mintel.com

DID YOU KNOW?

This report is part of a series of reports, produced to provide you with a more holistic view of this market

Solar Panels - UK - September 2019

Report Price: £995.00 | \$1343.55 | €1119.77

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

Table of Contents

Overview

What you need to know
Covered in this Report

Executive Summary

The market
Solar PV deployment drops by 69% to just 291MW in 2018
Figure 1: Photovoltaic installations in the UK, 2011-18
Subsidy-free, large-scale, ground-mounted solar PV market starting to take off
Residential rooftop market to be driven by solar-plus-storage systems
Solar PV deployment in commercial sector to be driven by PPA-backed projects
Figure 2: Building-mounted photovoltaic installed capacity in the UK, by size, as of March 2019
Solar PV deployment expected to accelerate towards the end of the five-year forecast period
Figure 3: Forecast new photovoltaic capacity installed in the UK, 2019-23
Companies and brands
Abrupt government policy changes result in many companies exiting UK solar PV sector
Installers are diversifying into energy storage, energy efficiency and EV charging
What we think

Issues and Insights

Energy storage systems and growing EV market to drive take-up of rooftop solar PV in post-subsidy world
The facts
The implications
Community solar PV schemes face considerable challenges but new opportunities are starting to emerge
The facts
The implications

The Market – What You Need to Know

Solar PV deployment drops by 69% to just 291MW in 2018
Post-FiT residential rooftop market to be driven by solar-plus-storage systems
Solar PV deployment in commercial sector to be driven by PPA-backed projects
Subsidy-free, large-scale, ground-mounted solar PV market starting to take off

Market Size

Introduction
Over 13GW of solar PV installed in UK
Solar PV deployment drops by 69% to just 291MW in 2018
Figure 4: Photovoltaic installations in the UK, 2013-19
Figure 5: Photovoltaic installations in the UK, 2011-18

Market Segmentation

**BUY THIS
REPORT NOW**

VISIT: store.mintel.com
CALL: EMEA +44 (0) 20 7606 4533 | Brazil 0800 095 9094
Americas +1 (312) 943 5250 | China +86 (21) 6032 7300
APAC +61 (0) 2 8284 8100 |
EMAIL: reports@mintel.com

Solar Panels - UK - September 2019

Report Price: £995.00 | \$1343.55 | €1119.77

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

Overview

Figure 6: Photovoltaic Installations in the UK, by capacity of installation, 2014-19

Solar PV installations by accreditation scheme

Figure 7: Photovoltaic installations in the UK, by accreditation scheme, 2014-19

Figure 8: Photovoltaic installed capacity in the UK, by size, as of June 2019

Residential solar PV market

Slump in residential solar PV deployment

Post-FIT market to be driven by solar-plus-storage systems

New finance options to emerge in post-subsidy world

Introduction of Smart Export Guarantee expected to lead to more competitive tariffs for residential customers with solar PV

Figure 9: Residential photovoltaic installation capacity installed in the UK, 2014-19

Building-mounted (commercial) solar PV market

Figure 10: Building-mounted photovoltaic installation capacity installed in the UK, 2014-19

Figure 11: Building-mounted photovoltaic installed capacity in the UK, by size, as of March 2019

Companies continue to face barriers to deployment in commercial solar PV market

Commercial rooftop market hit by sharp business rate hikes in April 2017

Solar PV deployment in commercial sector to be driven by PPA-backed projects

Ground-mounted solar PV market

Subsidy-free, large-scale solar PV market starting to take off

Emergence of PPAs presents growth opportunities for ground-mounted solar PV installations

1,054 solar farms (over 1MW) operational as of June 2019

Figure 12: Ground-mounted and large-scale photovoltaic installation capacity installed in the UK, 2014-19

Community solar PV installations

Community solar projects face considerable challenges

New opportunities starting to emerge

Figure 13: Community solar PV generation capacity, 2011-18

Regional Trends

Regional development

London aims to boost solar PV deployment as part of the capital's environment strategy

Figure 14: Household penetration of photovoltaic installations in Great Britain, by region, 2015-19

Figure 15: Regional distribution of photovoltaic installations in Great Britain, by type and region, cumulative as of March 2019

The European/World Context

Figure 16: World, EU and UK cumulative photovoltaic installations, 2013-18

Figure 17: World development of photovoltaic installations, 2012-18

Market Forecast

Solar PV deployment expected to accelerate towards the end of the five-year review period

Figure 18: Forecast photovoltaic installed capacity in the UK, 2019-23

Figure 19: Forecast new photovoltaic capacity installed in the UK, 2019-23

**BUY THIS
REPORT NOW**

VISIT: store.mintel.com

CALL: EMEA +44 (0) 20 7606 4533 | Brazil 0800 095 9094

Americas +1 (312) 943 5250 | China +86 (21) 6032 7300

APAC +61 (0) 2 8284 8100 |

EMAIL: reports@mintel.com

Solar Panels - UK - September 2019

Report Price: £995.00 | \$1343.55 | €1119.77

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

Market Trends

- Battery storage and growing EV market set to drive take-up of residential rooftop solar PV
- Large-scale battery storage market is taking off
- Solar companies are turning their attention to new build sector and local authorities
- BIPV market set to become more established
- Utility sector offers opportunities for solar firms
- Growth in EVs set to drive development of solar carports

Government Policy and Legislative Environment

- Government commitment to reduce carbon emissions
- UK makes good progress in reducing CO2 emissions to date, but on track to miss targets between 2023 and 2032
- Policies to decarbonise electricity
- Renewables Obligation
- Contracts for Difference
- Feed-in Tariffs
- Drastic cuts to FiTs cause rooftop solar PV deployment to plummet
- Capacity Market

Market Drivers

- New housebuilding sector offers huge growth potential for solar PV companies
- Rented sector offers growth opportunities
 - Figure 20: Residential dwelling stock in Great Britain, 2012-17
- Number of non-domestic properties
 - Figure 21: Number of non-domestic rateable properties in England & Wales, by sector and region, as at 1 April, 2017 (000s and % of total)
 - Figure 22: Number of non-domestic rateable properties in England & Wales, by property type, as at 31 March, 2015
- Solar PV witnesses remarkable fall in costs
- But closure of FiT scheme will increase payback period for residential rooftop solar systems
- EU scraps anti-dumping duty on China solar panels from September 2018
- Solar panels and battery systems face VAT hike from 5% to 20%
- BEIS and Ofgem unveil plans for major upgrade of the UK's energy systems, including the removal of barriers to storage
- Government's £246 million battery investment strategy
- UK energy mix and growth in renewable energy sector
 - Figure 23: Analysis of electricity generation the UK, by type of fuel used, 2014-18
 - Figure 24: Proportional importance of fuel source in UK electricity generation, 2014 and 2018
 - Figure 25: Renewable electricity generation in the UK, 2014-18
- The UK climate
- Other factors

Companies and Brands – What You Need to Know

- BSR launches behind-the-meter energy storage solutions provider
- BP invests in Lightsource to drive global solar expansion

**BUY THIS
REPORT NOW**

VISIT: store.mintel.com
CALL: EMEA +44 (0) 20 7606 4533 | Brazil 0800 095 9094
 Americas +1 (312) 943 5250 | China +86 (21) 6032 7300
 APAC +61 (0) 2 8284 8100 |
EMAIL: reports@mintel.com

Solar Panels - UK - September 2019

Report Price: £995.00 | \$1343.55 | €1119.77

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

Lightsource builds significant PPA-backed solar pipeline

Solarcentury focuses on international expansion but also sees near-term growth in UK post-subsidy market

Industry Structure

Abrupt government policy changes result in many companies exiting UK solar PV sector

Figure 26: Employment and number of companies active across UK solar PV supply chain, 2012-17

Figure 27: UK solar PV sector turnover, 2012-17

Key industry players

Installers are diversifying into energy storage, energy efficiency and EV charging

Solar companies are looking for international expansion

Company Profiles

British Solar Renewables

BSR launches behind-the-meter energy storage solutions provider in 2017

Financial performance

Figure 28: Financial analysis of British Solar Renewables, 2014-18

EvoEnergy

Financial performance

Figure 29: Financial analysis of EvoEnergy, 2012-17

Lightsource BP Renewable Energy Investment

BP invests in Lightsource to drive global expansion

Other recent partnerships

Operational solar assets

Operations and maintenance

Construction assets and pipeline

Financial performance

Figure 30: Financial analysis of Lightsource BP Renewable Energy Investment, 2016-18

Solarcentury Holdings

IKEA/Solarcentury solar panels offering removed in the UK with the closure of the FIT scheme

Company review and outlook

Figure 31: Financial analysis of Solarcentury Holdings, 2015-19

Appendix – Data Sources, Abbreviations and Supporting Information

Abbreviations

Methodology

Further Sources and Contacts

Trade associations

Trade magazines

Trade events

**BUY THIS
REPORT NOW**

VISIT: store.mintel.com

CALL: EMEA +44 (0) 20 7606 4533 | Brazil 0800 095 9094

Americas +1 (312) 943 5250 | China +86 (21) 6032 7300

APAC +61 (0) 2 8284 8100 |

EMAIL: reports@mintel.com