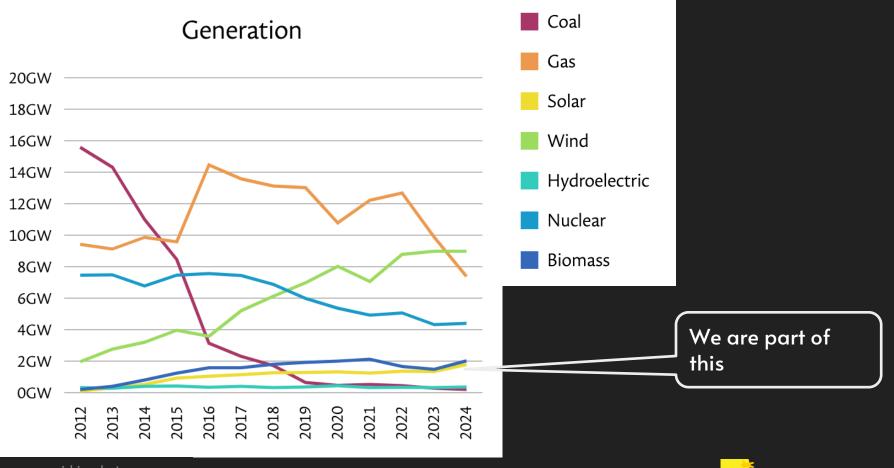
Big Solar Gathering 4 October 2024

Who we are

A not-for-profit solar co-op working across the UK

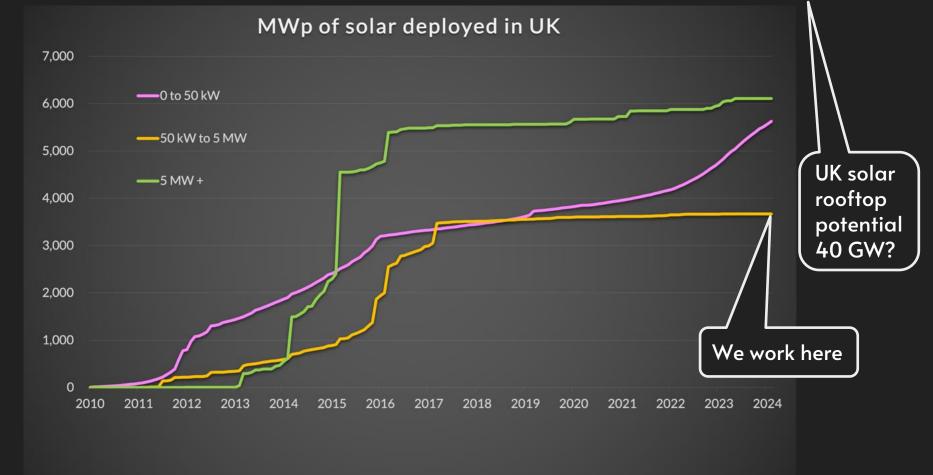
- We build and own (mostly) rooftop solar on commercial and community buildings
- Hosts benefit from low-cost electricity at a fixed rate
- Carbon-first, ethical and professional
- Owned by our Volunteer and Investor Members
- Founded by experienced community energy pioneers





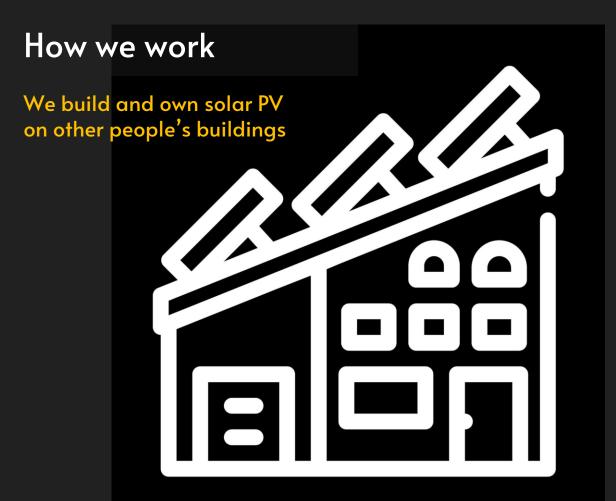
source: grid.iamkate.com





Data source: DESNZ





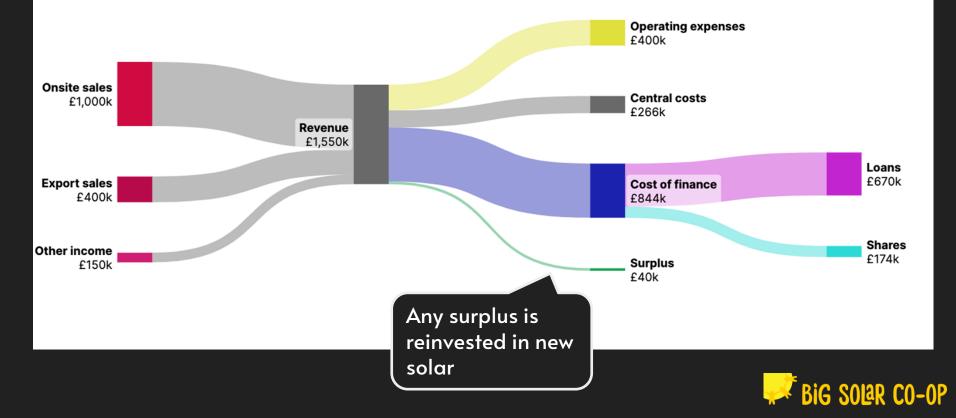
We sell them electricity from the solar

We sell any surplus to grid

They get a low and fixed price for 30yrs under a fair legal agreement



Flow of funds (2028 projection)









Volunteer members



Over 100 fully signed-up Volunteer Members



MONDAY



THURSDAY





Chris Rigby 2 days ago Chris Rigby 2 days ago I'd go for maybe 55-60 degrees on that. It looks very steep.

Theo Wood 2 days ago In that case I'm fairly certain I could fit on another laver on the roof. image.png



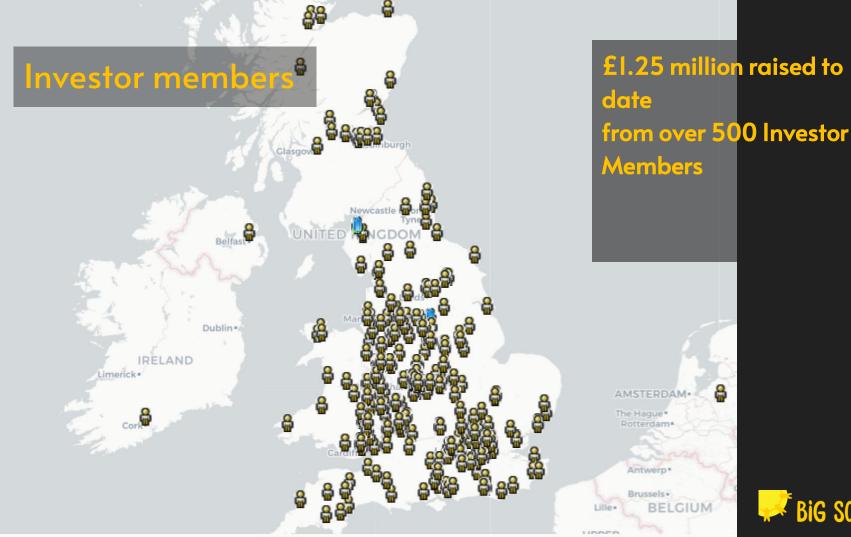
TUESDAY WEDNESDAY Cost of Cost of Saving Saving Saving

Start of Science energy 64,076 64,882 65,006 65,320 65,44 65,847 65,862 65,700 exing EX,117 E2,261 62,300 65,44 65,847 65,862 65,700 getom an encountering 40% 30%			$\underline{}$	_	<u> </u>	<u> </u>	_				
Being general memory E1117 E2287 E2441 E2396 E2644 E270 E3380 E3775 2378 E2644 E270 E3380 E3775 2378 E2647 22741 E2396 E2644 E2786 E2696											£10,020
Bermannersenses 40% 39% 20% 30% 33%											£5,900
Si Name Box Ex117 E2211 E2287 E2394 E2646 E26476 E26286 E81702 E20086 E61,470 E8126 E26,2006 E26,477 E8126 E26,2006 E26,477 E8126 E26,2006 E26,477 E8126 E26,2006 E26,477 E26,2006 E26,477 E26,2006 E26,477 E26,2006 E26,477 E26,2006 E26,477 E26,2006 E26,477 E26,2006 E26,470 E26,2006 E26,470 E26,2006 E26,470 E26,2006 E26,0000 E26,0000 E26,0000 E20,0000 E20,000 E20											£4,120
Total saving today's prices 10 yrs 20 yrs 30 yrs Total saving today's prices 100 yrs 20 yrs 30 yrs Vear 1-5 6-10 11-15 16-20 21-25 20-30 Cost of utility emergy associate 258,415 228,412 222,035 287,320 120,025 14-30 120,236 121,320 120,236 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 120,326 121,320 121,320 121,320 121,320 111,15 16,20 121,320 120,326 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,320 121,											41%
Total saving body's prices EB8.833 27778 668.92 672.961 Year 1-5 6-51 11-15 16-20 21-25 20-30 Cost of utility energy axious 258.413 228.017 252.005 243.047 258.200 240.005 240.005 240.005 240.005 240.005 240.005 240.005 240.005 240.005 240.005 240.005 240.005 240.005 254.017 250.005 250.005 250.005 240.005	Name Box		£3,117	£2,711	£2,287	£2,337	£2,504	£2,664	£2,816	£2,962	£3,102
Year 1-6 6-10 11-15 16-20 21-25 26-30 Coat of utility emergy avoide £58,246 £47,297 £62,305 £91,720 £100,205 £40,002 Coat of utility emergy avoide £26,413 £28,192 £22,036 £33,447 £38,246 £47,297 £62,036 £34,476 Coat of utility emergy avoided £Cost of utility emergy avoided €Cost of solar emergy £160,000 £120,000 £120,000 £120,000 £20,000 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Cost of stilly energy avoide 582,246 67397 E82,386 581,730 1107,025 1210,026 2540,020 25413 228,137 220,038 258,476 258,2666 258,266 258,266 258,266 258,266 2	stal saving today's prices	£88,633	£27,735	£66,192	£112,561						
Cost of solar energy E160,000 E160,000 E120		Year	1-5	6-10	11-15	16-20	21-25	26-30			
Cost of utility energy avoided © Cost of solar energy £160,000 £120,000 £20,000 £20,000 £20,000 £20,000		Cost of utility energy avoide	£38,246	£47,597	£62,385	£81,730	£107,025	£140,082			
E160.000 E140.000 E120.000 E £80.000 E40.000 E40.000 E40.000		Cost of solar energy	£25,413	£28,912	£32,038	£35,487	£39,288	£43,476			
1-5 6-10 11-15 16-20 21-25 26-30 Year		£160,000 £140,000 £120,000 £100,000 £80,000 £40,000 £20,000 £0		1		15	16-20			6-30	



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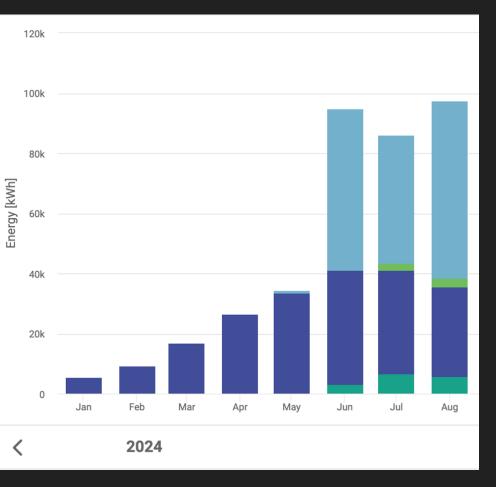






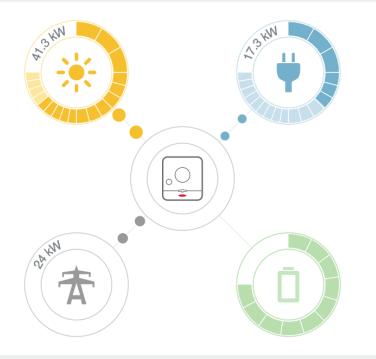


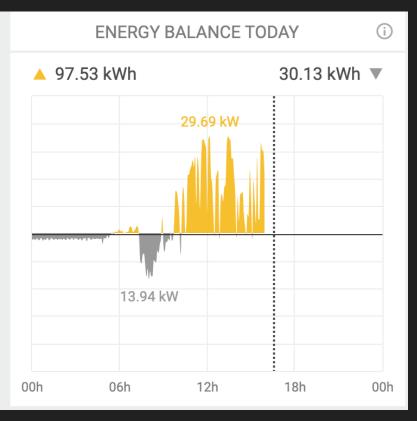
\rightarrow^{\leftarrow}	5		0		
Deselect all			(j)		
Time range 2024					
PV system <u>↓</u>	kWh/kWp	j≞ kWh j≞			
Eco-Pak Limite	359.05	179526.46			
Eden Court Me	308.40	6168.03			
Kerry foods - B	Big Solar Co-op	731.40	204379.07		
Twiggs Stores	356.15	17807.48			





CURRENT POWER





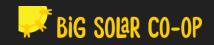


Sites for 2024/25/26

- Community and commercial sites.
- Aim to build approx. I/month
- Rooftop sites from 30 kW to 2.9 MW!

• Steel manufacturer, Leisure centre, School, Shopping centre, Golf club, Food packer, Visitor centre, Hotel ...

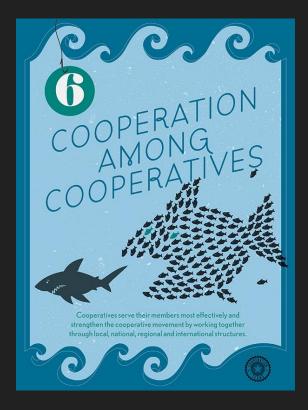




Midcounties Co-operative

 29 sites across the Midlands to be completed over next 18 months







Source: The Energyst

Mergers

Leominster Sunrise Co-op

- o 94 kW array
- Transfer of engagements to Big Solar Coop
- Members become Big Solar Coop members or can withdraw
- We take over running the array
- Members freed up to look for more sites locally

Other small solar co-ops considering mergers





Ethical solar

IN BROAD DAYLIGHT

Uyghur Forced Labour and Global Solar Supply Chains

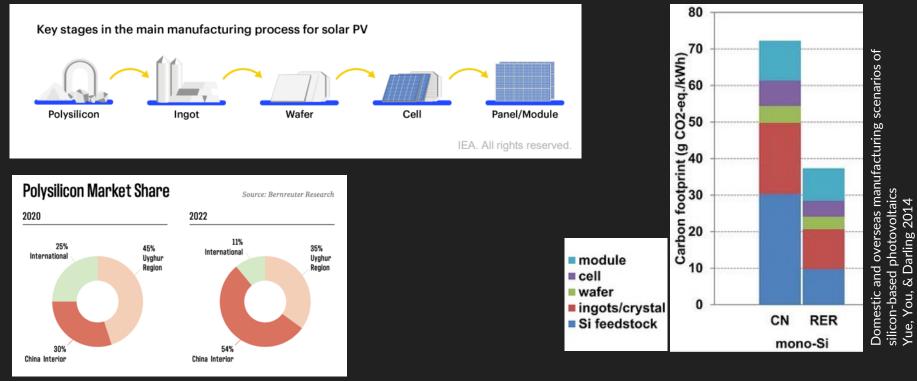


"many of the major Chinese producers of raw materials, solar-grade polysilicon, ingots and wafers ... are operating facilities in the Uyghur Region that have employed forced labour transfers of the indigenous people of the region"





Low-carbon solar





Ethical + low carbon solar

🕅 MEYER BURGER

Meyer Burger White

380 – 400 Wp

Hete	igher energy yield over the same area: rojunction high-performance solar module SmartWire Connection Technology (SWCT™).		
Ç	Made in Germany. Designed in Switzerland. Production and development according to the highest quality standards.		
茶	Highly profitable More energy yield over the same area even on cloudy or hot days.		
C	Extremely durable Outstanding cell stability and high breakage resistance		

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REC Alpha Pure-R

The REC Alpha Pure-R hits the sweet spot between high power and practical handling, in an elegant full-black design. Reaching 430 W in a compact form factor, it boasts an impressive power density of 223 W/m2, with 22.3% panel efficiency. Plus, its lead free (RoHS complaint), enabling homeowners to do even more environmental good.

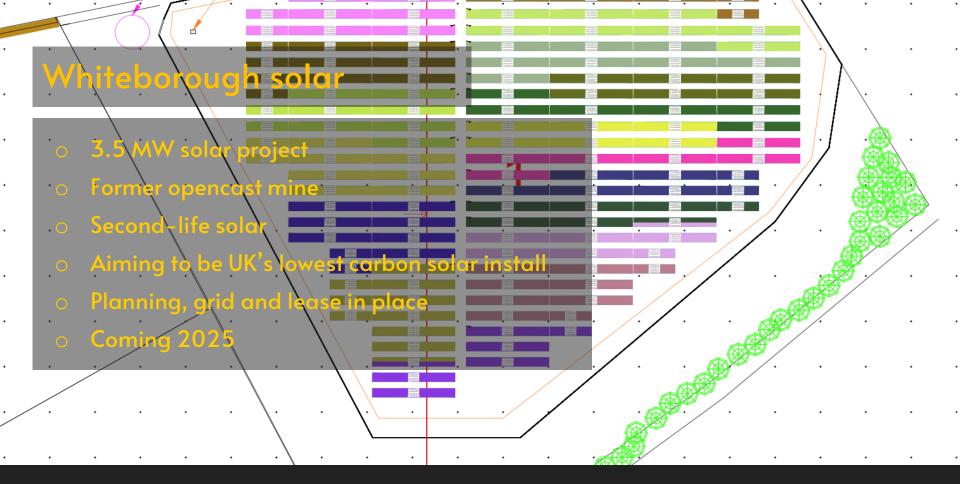
Key documents: Datasheet (400-430 Wp) Information sheet More downloads

Ask for REC Alpha Pure-R



Exposure	Company		
HIGH	Canadian Solar		
VERY HIGH	JA Solar—Southeast Asia/US		
VERY HIGH	JA Solar—China		
HIGH	Jinko Solar—Southeast Asia/US		
HIGH	Jinko Solar—China		
VERY HIGH	LONGi Solar—Southeast Asia		
VERY HIGH	LONGi Solar—China		
VERY HIGH	Maxeon 3/5/6 Module / Sunpower X-/A-/M-Series		
VERY HIGH	Maxeon / Sunpower Performance Series		
NONE (UNVERIFIED)	Meyer Burger Technology		
VERY HIGH	QCells		
NONE (UNVERIFIED)	REC Group N-Peak and Alpha		
VERY HIGH	REC Group TwinPeak 4		
HIGH	Tongwei Solar		
NONE (UNVERIFIED)	Trina Solar—Southeast Asia		
VERY HIGH	Trina Solar—China		







Funding our growth

We need to raise £5m+ over next 2 years

- o Investor Members
- o **Loans**
- More shares and bonds





Loans

Short term

- o **3-6 months**
- Co-ordinating multiple loan makers
- Sub £500k
- Early 2024-Currently paying back

Medium term

- o 36 months
- £800k starting
 Autumn 2024
- £1.5m agreed in principle

Long term

- **I0 yrs+**
- **£5-10m**
- Looking for suitable
 lenders





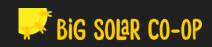


Share offer

- Share target: +£Im by April 2025
- Share offer is always rolling
- Aim to pay interest to first investors this year at 3%
- Interest target: 2% above base rate, min
 5%
- Interest can be re-invested

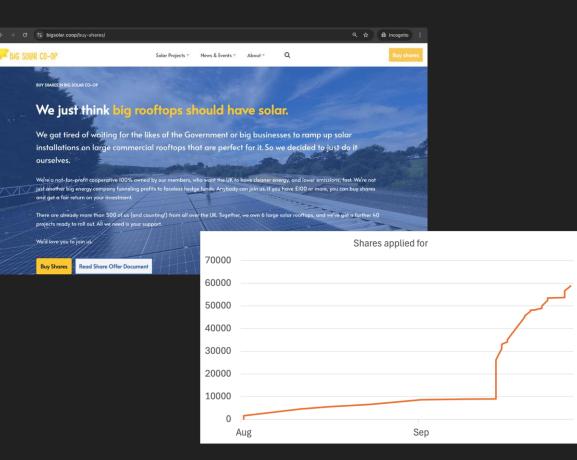


Planning IFISA-wrapped bond offer in 2025



Re-launch

- Social media content and adverts
- New website pages
- Mailing list push





Impact

Number of £1 shares bought

Annual impact:

Power an average house's electricity needs for 4 months

6-0

Drive **3,600 miles** in an electric car

 \bigotimes

Push enough gas-generated electricity off the grid to save **473 kg of CO₂** - that's about **5%** of your personal carbon footprint



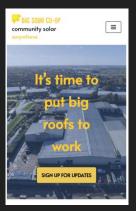
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Investment webinar

Tuesday, 8 October 2024 1300 by Zoom



www.bigsolar.coop

Join our mailing list for updates

