

# Monthly Solar Energy Market Report

May 2023

## HANetf & EQM Indexes

### Solar Energy UCITS ETF

TANN

69bps

IE00BMFNWC33

Product Inception Date: 09/06/2021

For Professional Clients Only. Capital at risk.

All data as of 30/04/2023

This report was written by, and is the opinion of the TANN index providers EQM Indexes

## Key Takeaways

**Wind and solar reach a record 12% of global electricity in 2022.** According to Energy think-tank Ember, the carbon intensity of global electricity generation fell to a record low of 436 gCO<sub>2</sub>/kWh in 2022, the cleanest-ever electricity. This was due to record growth in wind and solar, which reached a 12% share in the global electricity mix, up from 10% in 2021. Together, all clean electricity sources (renewables and nuclear) reached 39% of global electricity, a new record high. Solar generation rose by 24%, making it the fastest-growing electricity source for 18 years in a row.

**Solar projects dominate US utility-scale clean energy investments.** The US has ramped up its domestic utility-scale clean energy investments as there were 26 solar projects announced in the past eight months, according to a study conducted by American Clean Power (ACP). From 16 August 2022 – when US President Joe Biden signed the Inflation Reduction Act into law – to 31 March 2023, of the 46 new clean energy manufacturing facilities with a capacity of 96GW announced, solar projects accounted for 56.5%.

**China's National Energy Administration guidelines for 2023 targets 160GW of new solar and wind capacity.** The Chinese government has announced some good news for the PV and wind industries with a target of 160GW of new solar and wind capacity to be added in 2023. The National Energy Administration's (NEA) official website issued a Guideline On Energy Work In 2023, which specifies that the target for 2023 is "to increase the use of non-fossil energy to 18.3% of total energy consumption and increase the proportion of non-fossil installed power generation capacity to 51.9%. Wind power and photovoltaic power generation will account for 15.3% of total power consumption."

Sources available upon request. **Please remember that all performance figures are showing net data.** Past performance is not indicative of future performance, and when you invest in ETFs your capital is at risk.

## Macro Outlook

The U.S. Senate voted in April to reinstate tariffs on solar panels from Chinese companies in Southeast Asia that had been found to be coming into the United States in violation of trade rules. It sets up a showdown with the Biden administration, which had temporarily halted the tariffs to try to ensure that the country had an adequate supply of solar panels in the fight against climate change. President Biden has said that he will veto the measure, and a two-thirds majority of lawmakers in both houses would be needed to override him. The fight centers on whether certain solar imports were brought into the United States at unfairly low prices. In December, a U.S. trade court ruled that four Chinese companies had illegally tried to dodge American tariffs on solar products sent from China by routing their products through factories in Southeast Asia. The White House sees mitigating climate change as among its most important priorities, and officials have argued that in the near term the United States will need to continue purchasing solar products from China, which makes the vast majority of cells and panels that convert sunlight into electricity.

## Solar Energy Performance

As of 30.04.2023

	1M	3M	6M	YTD	12M	SI
Solar Energy UCITS ETF	-5.10%	-10.89%	1.25%	-0.32%	2.67%	-13.94%
<i>EQM Global Solar Energy Index</i>	<i>-5.02%</i>	<i>-10.72%</i>	<i>1.76%</i>	<i>-0.03%</i>	<i>3.69%</i>	<i>-12.19%</i>

Please note that all performance figures are showing net data. Source: Bloomberg / HANetf. Data as of 30/04/2023

Performance before inception is based on back tested data. Back testing is the process of evaluating an investment strategy by applying it to historical data to simulate what the performance of such strategy would have been. Back tested data does not represent actual performance and should not be interpreted as an indication of actual or future performance. Past performance for the index is in USD. Past performance is not an indicator for future results and should not be the sole factor of consideration when selecting a product. Investors should read the prospectus of the Issuer ("Prospectus") before investing and should refer to the section of the Prospectus entitled 'Risk Factors' for further details of risks associated with an investment in this product. When you invest in ETFs and ETCs, your capital is at risk.

### Product Details

Solar Energy UCITS ETF (TANN) is a UCITS compliant exchange traded fund domiciled in Ireland. The Solar Energy UCITS ETF 'TANN' seeks to offer pure-play exposure to the rapidly growing global solar industry.

The TANN Solar ETF tracks the EQM Global Solar Energy Index (SOLARNTR) which is focused on companies that derive significant revenue from solar energy-related business operations including manufacturing of photovoltaic, solar cells, and systems; producers of solar power generation, equipment, and components; providers of solar power system installation, development, and financing; and/or manufacturing of solar-powered charging and energy storage systems.

TANN is scheduled under Article 8 under the Sustainable Finance Disclosure Regulation (SFDR). Companies will be ESG screened for compliance with UN Global Compact principles plus operational business involvement in the fields of oil sands, fossil fuel, or controversial weapons.

Visit the [TANN Fund Page](#) for more information.

### Trade TANN

Exchange	BBG Code	RIC	ISIN	Valoren	SEDOL	Currency	TER
London Stock Exchange	TANN LN	TANN.L	IE00BMFNWC33	-	BMTR168	USD	0.69%
London Stock Exchange	TANP LN	TANP.L	IE00BMFNWC33	-	BMTR1D5	GBP	0.69%
Borsa Italiana	TANN IM	TANN.MI	IE00BMFNWC33	-	BL6KDR8	EUR	0.69%
Deutsche Boerse Xetra	TANN GY	TANNG.DE	IE00BMFNWC33	-	BL6KDT0	EUR	0.69%

### Stephen Derkash



Mr. Derkash leads EQM's Global and ESG Product initiatives. He has over twenty years of global portfolio management, investment banking and equity research experience, and has worked as a Portfolio Manager at Millennium Management, a \$40 billion hedge fund, and at UBS Asset Management. He is the Founder of BlueRunner Global Advisors, a boutique investment advisory firm focused on emerging markets equity investing, and prior to Millennium and UBS, Stephen worked with Nicholas-Applegate Capital Management, in sell-side research with a leading European bank in Brazil, and on the emerging markets investment banking team at Lehman Brothers in New York. He holds an MBA from Wharton, an MA in International Studies from the University of Pennsylvania's Lauder Institute, and a BA from Georgetown University.

## Important Information

### Communications issued in the UK (ETFs and ETCs)

The content in this document is issued by HANetf Limited ("HANetf") and approved by Privium Fund Management (UK) Limited ("Privium"). HANetf are an appointed representative of Privium, which is authorised and regulated by the Financial Conduct Authority. HANetf is registered in England and Wales with registration number 10697042.

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### Communications issued in the EEA relating to ETCs

The content in this document is issued by the relevant Issuer.

## The Issuers

1. HANetf ICAV, an open-ended Irish collective asset management vehicle issuing under the terms in the Prospectus and relevant Supplement for the ETF approved by the Central Bank of Ireland ("CBI") ("ETF Prospectus") is the issuer of the ETFs. Investors should read the current version of the ETF Prospectus before investing and should refer to the section of the ETF Prospectus entitled 'Risk Factors' for further details of risks associated with an investment in the ETFs. Any decision to invest should be based on the information contained in the ETF Prospectus.
2. HANetf ETC Securities plc, a public limited company incorporated in Ireland, issuing:
  - i. the precious metals ETCs under the terms in the base prospectus approved by both the Central Bank of Ireland ("CBI"), the UK Financial Conduct Authority ("FCA") and the final terms of the precious metals (together, "Metals ETC Prospectuses");
  - ii. the carbon securities ETCs under the terms in the base prospectus approved by the UK Financial Conduct Authority ("FCA") and the relevant final terms of the carbon securities (together, "FCA Carbon ETC Prospectus"); and
  - iii. the carbon securities ETCs under the terms in the base prospectus approved by the Central Bank of Ireland ("CBI") and the final terms of the carbon securities (together, "CBI Carbon ETC Prospectus").

Investors should read the latest versions of the relevant ETC prospectus before investing and should refer to the section of the relevant ETC prospectus entitled 'Risk Factors' for further details of risks associated with an investment in the ETCs. Any decision to invest should be based on the information contained in the relevant ETC prospectus.

3. ETC Issuance GmbH, a limited liability company incorporated under the laws of the Federal Republic of Germany, issuing under the terms in the Base Prospectus approved by the Bundesanstalt für Finanzdienstleistungsaufsicht ("BaFin") and the final terms ("Cryptocurrency Prospectus") is the issuer of the ETC Group ETCs. Investors should read the latest version of the Cryptocurrency Prospectus before investing and should refer to the section of the Cryptocurrency Prospectus entitled 'Risk Factors' for further details of risks associated with an investment in the ETCs contained in the Cryptocurrency Prospectus. Any decision to invest should be based on the information contained in the Cryptocurrency Prospectus.

The ETF Prospectus, Metals ETC Prospectus, FCA Carbon ETC Prospectus, CBI Carbon ETC Prospectus and Cryptocurrency Prospectus can all be downloaded from [www.hanetf.com](http://www.hanetf.com).

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