

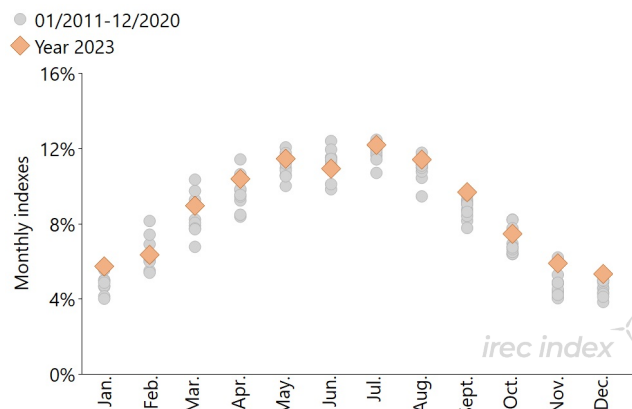
Monthly indexes - Year 2023

Long term reference period: 01/2011-12/2020

Type: Solar energy index
 Region: Pyrénées Orientales
 ID: FRPV14
 Country: France
 Issued in: January 2025
 Issued for: Client
 Contact: Email

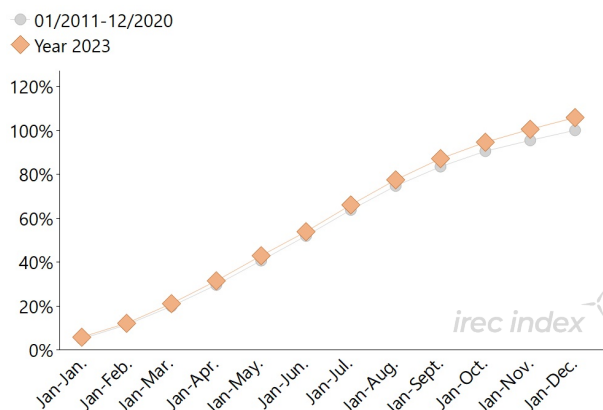
Monthly solar energy indexes

Month	Year 2023	LT average 2011-2020	Ratio
Jan.	5.7 %	5.0 %	116 %
Feb.	6.4 %	6.4 %	99 %
Mar.	9.0 %	8.5 %	106 %
Apr.	10.4 %	9.7 %	107 %
May	11.5 %	11.1 %	104 %
June	10.9 %	11.2 %	97 %
July	12.2 %	11.9 %	103 %
Aug.	11.4 %	10.9 %	104 %
Sep.	9.7 %	8.8 %	110 %
Oct.	7.5 %	7.1 %	106 %
Nov.	5.9 %	4.9 %	120 %
Dec.	5.3 %	4.6 %	116 %
Year	105.8 %	100.0 %	106 %



Cumulated solar energy indexes (Year-to-date)

Period	Year 2023	LT average 2011-2020	Ratio
Jan. to Dec.	105.8 %	100.0 %	106 %



worldwide energy indexes for
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Well-proven wind and solar energy indicators

irec indexes are monthly indicators that quantify the variation of the wind and solar resource over time. Available for onshore/offshore wind farms and PV plants worldwide, they offer essential insights for asset managers to check the actual production capacity of their portfolio.

Main applications for solar assets

- ✓ **Quantify production shortfall** due to lack of resource
What level of irradiation on a given period compared to the long-term average ?
- ✓ **Explain the deviations** with the budget
Which part of the deviation is caused by the solar resource ?
- ✓ **Assess the actual P50** of your asset
Which long-term production should I expect based on the current performance ?
- ✓ **Estimate performance degradation** over time
Is the average performance degradation in line with what was expected ?

Sample Pyrénées Orientales (France) - Year-to-date solar energy indexes 2023

