steadyEye /



Service / Technology Fact Sheet



steadyEye structure

EXPERT steadysun, configuration, optimized solution



> SOLAR PRODUCTION FORECAST from 0 to 60 minutes

> UPDATED 30 TO 360 TIMES / HOUR

Selection and processing of all sky images

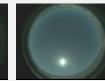
Clear sky 11.51.02 a.m. [29.01.2016]

Partly cloud

08.13.04 a.m.

(28.07.15)





Cloudy 12.59.12 a.m. (22.03.16)





Slightly cloudy

08.31.04 a.m.

(28 07 15)

10.19.04 a.m.



Mistv 10.19.04 a.m. (31.12.14)



Rainv

08.48.03 a.m.

(04.12.14)

Mostly Misty 08.54.07 a.m. [22.03.2016]



Heavy rain 10.47.04 a.m. (18.12.14)





Heavy cloudy (31.12.14)

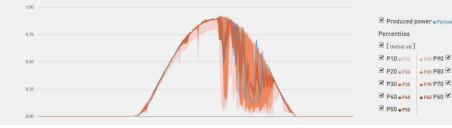
Slightly cloudy

08.36.04 a.m.

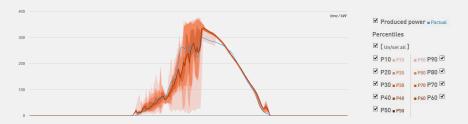
(280715)



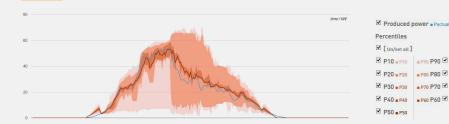
GHI forecast in Australia



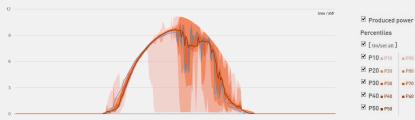
Distributed PV forecast for french DSO



Rooftop PV forecast in Germany



Hybrid system forecast in Switzerland

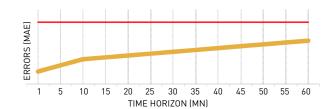


Produced power Pac ✓ P10 = P10 = P90 P90 ✓ P20 = P20 = P80 P80 V P30 = P30 = P70 P70 ✓ P40 = P40 = P60 P60 ✓

FEATURES Forecast at country level Forecast at regional level 澌 Forecast at town level Forecast at site level Forecast for a portfolio (stations spread over a territory) DNI (Direct Normal Irradiance) 濛 forecast GHI (Global Horizontal Irradiance) forecast 鯊 GTI (Global Tilted Irradiance) forecast Temperature forecast 潫 Production forecast Time horizon up to 15 days Time horizon up to 6 hours 潫 Time horizon up to 60 minutes Update 4 times / day Update 96 times / day 潫 Update 1440 times / day * Time step from one minute * Suitable for all PV technologies Suitable for CPV (Concentrated * Photovolataic) technology Suitable for CSP (Concentrated * Solar Power) technology * Including 1-axis tracking Including 2-axis tracking Percentiles (P10, P20, P30, P40, P50, *

P60, P70, P80, P90)

SteadyEye Vs other forecast



 Other forecast SteadyEye

SteadyEye reduces forecasting errors by a 4 to 1.5 factor depending on time horizon



+33(0)9 70 75 34 16 - contact@steady-sun.com - www.steady-sun.com in 🕇 💣 🗙 Savoie Technolac - BP 40328 - 73377 LE BOURGET DU LAC CEDEX - FRANCE