

TECHNICAL DATASHEET

WEATHERSMART™
FOR GENIUS TRACKER™



INCREASES ANNUAL POWER PRODUCTION UP TO 1.25%

- Production gain based on location-specific NREL weather data
- WeatherSmart™ technology dynamically interacts with the environment
- Power production increases up to 20% on heavy cloud cover days
- Tracker angles are optimized throughout the day to take advantage of higher power production derived from alternate tilt angles
- Optimal tilts are based on GameChange's proprietary data analysis and real-world testing incorporating albedo effect / light diffusion and other factors

WeatherSmart™ Production Gain Report

Project Name	CoastalTown
Site address	FL
MW DC	113.26
Module Type	First Solar Series 4™ 117.5 Watt
Inverter	XYZ Brand
Row Spacing	17 ft.
PVsyst tracker production full year normal weather	192,564 mwh
PVsyst tracker production tracking normally full year normal all 10/10ths opaque sky cover (cloudy)	53,809 mwh
Full day equivalents per year 10/10ths opaque sky cover (cloudy)	74.0 days
Production level adjusted for seasonality of when cloudy days occur vs. average	78.95 %
Irradiance gain on fully cloudy days from testing data	13.85 %
Cloudy day production versus normal day baseline	27.94%
WeatherSmart™ performance gain annually	0.619%
Total energy production with WeatherSmart™	193,757 mwh

PVsyst data provided by client. Weather data from NREL TMY3 file.

Analysis provided is based on data extrapolated from nearby sites and based on testing and use of industry standard software at time of performance of this analysis, and GameChange is not responsible for any revenue not gained to the extent in these calculations.

DISCLAIMER: GameChange Solar provides this documentation without warranty in any form either expressed or implied. GameChange Solar may revise this document at any time without notice.

Rev. 3-31-2022

HEADQUARTERS

230 East Ave
 Suite 100
 Norwalk, CT, USA
 Phone: +1 (203) 769-3900
 Fax: +1 (646) 607-2223
 gamechangesolar.com
 media@gamechangesolar.com

GLOBAL OFFICES

Dublin, Ireland
 Madrid, Spain
 Wuxi, China
 Bangalore, India
 Dubai, UAE
 Buenos Aires, Argentina
 Johannesburg, South Africa

SERVICE SUPERCENTERS

Lakeland, FL, USA
 Mesa, AZ, USA
 Santiago, Chile
 Madrid, Spain

RESEARCH & DEVELOPMENT CENTER
 Brimfield, MA, USA

