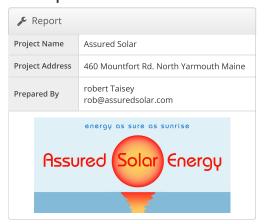
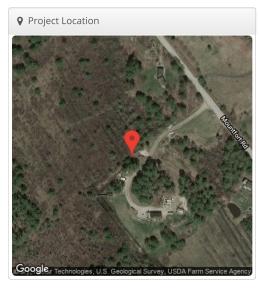
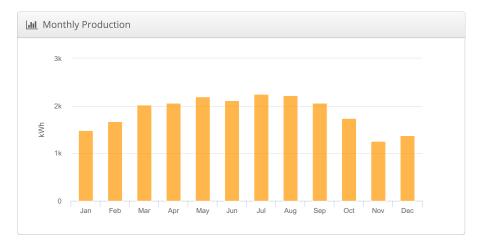


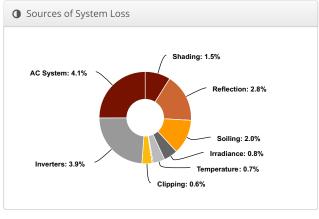
Sample Assured Solar, 460 Mountfort Rd. North Yarmouth Maine



Lılıl System Metrics						
Design	Sample					
Module DC Nameplate	15.7 kW					
Inverter AC Nameplate	13.4 kW Load Ratio: 1.17					
Annual Production	22.48 MWh					
Performance Ratio	84.8%					
kWh/kWp	1,434.0					
Weather Dataset	TMY, 10km Grid (43.85,-70.25), NREL (prospector)					
Simulator Version	f6d2dcc17d-2ae007fd15-c76d4d47b8-ebcb3ee7fb					







	Description	Output	% Delta				
	Annual Global Horizontal Irradiance	1,394.4					
	POA Irradiance	1,691.6	21.3%				
Irradiance	Shaded Irradiance	1,667.0	-1.5%				
(kWh/m²)	Irradiance after Reflection	1,620.7	-2.8%				
	Irradiance after Soiling	1,588.2	-2.0%				
	Total Collector Irradiance	1,588.3	0.0%				
	Nameplate	24,914.2					
	Output at Irradiance Levels	24,713.9	-0.8%				
Energy (kWh)	Output at Cell Temperature Derate	24,547.2	-0.7%				
	Output After Mismatch	24,531.5	-0.1%				
	Optimal DC Output	24,531.5	0.0%				
	Constrained DC Output	24,390.4	-0.6%				
	Inverter Output	23,445.0	-3.7%				
	Energy to Grid	22,484.9	-4.1%				
Temperature N	Metrics						
	Avg. Operating Ambient Temp		10.5 °C				
	Avg. Operating Cell Temp		18.9 °C				
Simulation Me	trics						
	Operating Hours						
Solved Hours							

Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km Grid (43.85,-70.25), NREL (prospector)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
	Rack Type			а		b		Те	Temperature Delta			
Temperature Model Parameters	Fixed Tilt				3.56	-0.07	0.075		3°C			
	Flus	h Moi	unt	-:	2.81	-0.0455		0°	С			
Soiling (%)	J	F	M	Α	M	J	J	Α	S	0	N	D
Solling (70)	2	2	2	2	2	2	2	2	2	2	2	2
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	-2.5% to 2.5%											
AC System Derate	0.50%											
Module Characterizations	Mod	lule			Uploaded By			Characterization				
module characterizations	REC280TP (REC Solar)				Folsoi Labs	m	Spec Sheet Characterization PAN			on,		
Component	Device					Uploaded By Characterization				n		
Characterizations	M250 (240V) (Enphase)					Folsom Labs CEC						



□ Components						
Component	Name	Count				
Inverters	M250 (240V) (Enphase)	56 (13.4 kW)				
AC Branches	8 AWG (Copper)	3 (4,509.5 ft)				
Module	REC Solar, REC280TP (280W)	56 (15.7 kW)				

♣ Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	12	1-1	Along Racking

Ⅲ Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Fixed Tilt	Portrait (Vertical)	35°	180°	20.0 ft	2x7	4	56	15.7 kW

