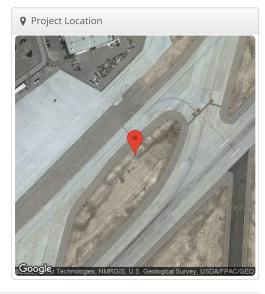
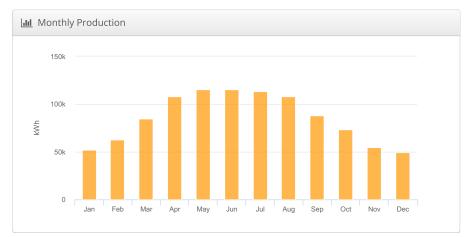


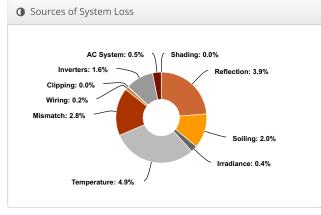
$Design \ 1 \ {\tt C} \ | \ {\tt Sunport}, \ 2200 \ {\tt Sunport} \ {\tt Blvd} \ {\tt SE}$

& Report	
Project Name	C Sunport
Project Address	2200 Sunport Blvd SE
Prepared By	OE Solar info@osceolaenergy.com

Lill System Metrics						
Design	Design 1					
Module DC Nameplate	609.8 kW					
Inverter AC Nameplate	600.0 kW Load Ratio: 1.02					
Annual Production	1.026 GWh					
Performance Ratio	85.0%					
kWh/kWp	1,681.9					
Weather Dataset	TMY, ALBUQUERQUE INTL ARPT [ISIS], NSRDB (tmy3, I)					
Simulator Version	976710bd6f-d16b7b72d4-0dcfd22a50- 1d0eb092a8					







	Description	Output	% Delta				
	Annual Global Horizontal Irradiance	1,980.4					
	POA Irradiance	1,978.2	-0.1%				
Irradiance	Shaded Irradiance	1,978.2	0.0%				
(kWh/m ²)	Irradiance after Reflection	1,901.9	-3.9%				
	Irradiance after Soiling	1,863.9	-2.0%				
	Total Collector Irradiance	1,863.9	0.0%				
	Nameplate	1,140,375.2					
	Output at Irradiance Levels	1,135,986.6	-0.4%				
	Output at Cell Temperature Derate	1,079,997.8	-4.9%				
Energy	Output After Mismatch	1,050,089.1	-2.8%				
(kWh)	Optimal DC Output	1,047,976.8	-0.2%				
	Constrained DC Output	1,047,763.9	0.0%				
	Inverter Output	1,030,824.8	-1.6%				
	Energy to Grid	1,025,670.7	-0.5%				
Temperature N	1 etrics						
	Avg. Operating Ambient Temp		17.3 °C				
Avg. Operating Cell Temp							
Simulation Me	trics						
		Operating Hours	4566				
		Solved Hours	4566				



Condition Set														
Description	Condition Set 1													
Weather Dataset	TMY, ALBUQUERQUE INTL ARPT [ISIS], NSRDB (tmy3, I)													
Solar Angle Location	Mete	Meteo Lat/Lng												
Transposition Model	Pere	Perez Model												
Temperature Model	Sand	Sandia Model												
T NAd-I	Rack	Туре			a		b			Te	mpera	ture D	elta	
Temperature Model Parameters	Fixe	d Tilt			-3.	56	-0.07	-0.075		3°	C			
	Flush Mount				-2.81		-0.0455			0°C				
Soiling (%)	J	F	M		Α	M	J	J		Α	S	0	N	D
558 (70)	2	2	2		2	2	2	2		2	2	2	2	2
Irradiation Variance	5%													
Cell Temperature Spread	4° C	4° C												
Module Binning Range	-2.5%	6 to 2.	5%											
AC System Derate	0.50	%												
Module Module						Uploaded By			Characterization					
Characterizations	TSM-165DC31 (Trina Solar) TSM-165DC31 (Trina HelioScope PAN							erizati	on,					
Component	Device								Uploaded By Characterizati			ation		
Characterizations		PVI 60TL 2-21-2017 (Solectria (Yaskawa Solectria Solar))							HelioScope Default Characterization			ation		

☐ Components								
Component Name Count								
Inverters	PVI 60TL 2-21-2017 (Solectria (Yaskawa Solectria Solar))	10 (600.0 kW)						
Strings	10 AWG (Copper)	190 (58,037.4 ft)						
Module	Trina Solar, TSM-165DC31 (165W)	3,696 (609.8 kW)						

♣ Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	-	16-20	Along Racking



Annual Production Report produced by OE Solar

Ⅲ Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1 (copy 3)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 7)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 8)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 9)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 10)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 4)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 5)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 6)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 11)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 12)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 13)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 14)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 15)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 16)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 17)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 18)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 19)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 20)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 21)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 22)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 23)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW
Field Segment 1 (copy 24)	Carport	Portrait (Vertical)	0°	180°	0.0 ft	1x1	168	168	27.7 kW



