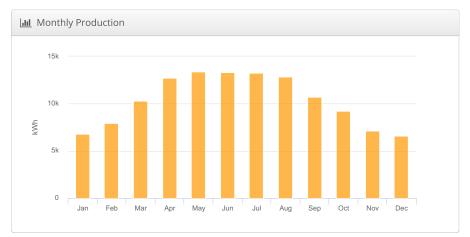


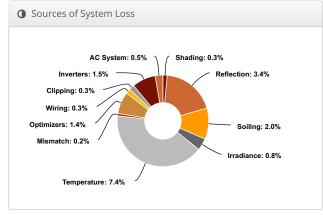
## 72.4 kW Roof Mount COA Domingo Baca, 7521 Caramel Ave NE, Albuquerque NM

Report	
Project Name	COA Domingo Baca
Project Address	7521 Caramel Ave NE, Albuquerque NM
Prepared By	Zach Johnson zach@sollunasolar.com

System Me	trics
Design	72.4 kW Roof Mount
Module DC Nameplate	72.4 kW
Inverter AC Nameplate	66.6 kW Load Ratio: 1.09
Annual Production	124.2 MWh
Performance Ratio	83.1%
kWh/kWp	1,716.4
Weather Dataset	TMY, ALBUQUERQUE INTL ARPT [ISIS], NSRDB (tmy3, I)
Simulator Version	70e353687f-301d24fdcb-8f3cf974d4- 5e9aee986c







	Description	Output	% Delta			
	Annual Global Horizontal Irradiance	1,980.4				
Irradiance (kWh/m²)	POA Irradiance	2,064.4	4.2%			
	Shaded Irradiance	2,058.8	-0.3%			
	Irradiance after Reflection	1,987.9	-3.4%			
	Irradiance after Soiling	1,948.1	-2.0%			
	Total Collector Irradiance	1,948.1	0.0%			
	Nameplate	141,115.3				
	Output at Irradiance Levels	140,038.5	-0.8%			
	Output at Cell Temperature Derate	129,607.2	-7.4%			
_	Output After Mismatch	129,407.3	-0.2%			
Energy (kWh)	Optimizer Output	127,594.1	-1.4%			
	Optimal DC Output	127,185.6	-0.3%			
	Constrained DC Output	126,753.6	-0.3%			
	Inverter Output	124,852.3	-1.5%			
	Energy to Grid	124,228.0	-0.5%			
Temperature M	letrics					
	Avg. Operating Ambient Temp					
	Avg. Operating Cell Temp		32.1 °C			
Simulation Met	rics					
		Operating Hours	4566			
	Solved Hours					



Condition Se	t												
Description	Condi	Condition Set 1											
Weather Dataset	TMY,	TMY, ALBUQUERQUE INTL ARPT [ISIS], NSRDB (tmy3, I)											
Solar Angle Location	Meteo	Meteo Lat/Lng											
Transposition Model	Perez	Perez Model											
Temperature Model	Diffus	Diffusion Model											
	Rack '	Туре					U <sub>const</sub>			U <sub>wind</sub>			
Tamananahuna Madal	Fixed	Tilt					21			0	0		
Temperature Model Parameters	Flush Mount						15			0			
	East-West						29			0			
	Carport 29						0	0					
Soiling (%)	J	F	М	А	М	J	J	Α	S	0	N	D	
	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%	-2.5% to 2.5%											
AC System Derate	0.50%	0.50%											
	Module Uploaded By			Characterization									
Module Characterizations						CS3U- 375MS_MIX_CSI_EXT_V6_61_1500V_2017Q2.PAN, PAN							
Component Characterizations	Devic	Device Uploaded By Characterization											

□ Components					
Component	Name	Count			
Inverters	SE66.6K (SolarEdge)	1 (66.6 kW)			
Strings	10 AWG (Copper)	5 (972.2 ft)			
Optimizers	P800S (SolarEdge)	98 (78.4 kW)			
Module	Canadian Solar Inc., CS3U-375MS 1500V (375W)	193 (72.4 kW)			

Description		Combiner Poles		Str	ing Size	Stringing Strategy			
· '						0 0 0			
Wiring Zone		-		13-	-40	Along Rac	KING		
<b>Ⅲ</b> Field Segn	nents								
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Description	Rucking	Officiation	11110	Azimacii	micrarow spacing	Traine Size	Traines	Wiodales	1 000001
Field Segment 1	Fixed Tilt	Landscape (Horizontal)	5°	165.501°	0.7 ft	1x1	95	95	35.6 kW
Tield beginnene i									

♣ Wiring Zones



Oetailed Layout

