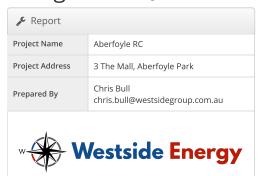
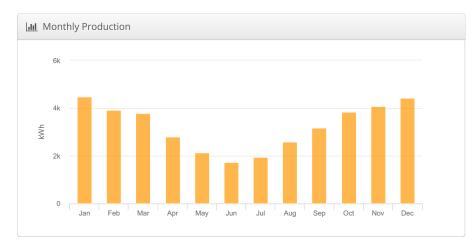


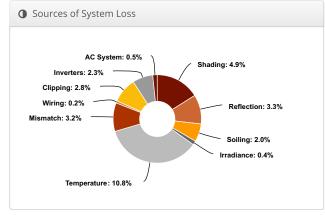
Design 1 Aberfoyle RC, 3 The Mall, Aberfoyle Park



[.lil System Metrics						
Design	Design 1					
Module DC Nameplate	26.6 kW					
Inverter AC Nameplate	17.5 kW Load Ratio: 1.52					
Annual Production	38.91 MWh					
Performance Ratio	73.1%					
kWh/kWp	1,460.4					
Weather Dataset	TMY, 10km Grid, meteonorm (meteonorm)					
Simulator Version	125ee4a60d-4598ccbfde-ddff206053- 649f60a15b					







	Description	Output	% Delta				
	Annual Global Horizontal Irradiance	1,790.2					
	POA Irradiance	1,996.5	11.5%				
Irradiance	Shaded Irradiance	1,899.2	-4.9%				
(kWh/m ²)	Irradiance after Reflection	1,837.4	-3.3%				
	Irradiance after Soiling	1,800.6	-2.0%				
	Total Collector Irradiance	1,800.4	0.0%				
Energy (kWh)	Nameplate	47,962.2					
	Output at Irradiance Levels	47,752.0	-0.4%				
	Output at Cell Temperature Derate	42,601.2	-10.8%				
	Output After Mismatch	41,250.3	-3.2%				
	Optimal DC Output	41,150.0	-0.2%				
	Constrained DC Output	40,006.7	-2.8%				
	Inverter Output	39,101.4	-2.3%				
	Energy to Grid	38,905.9	-0.5%				
Temperature	Metrics						
Avg. Operating Ambient Temp							
Avg. Operating Cell Temp							
Simulation Mo	etrics						
Operating Hours							
Solved Hours							

Condition Set														
Description	Cond	Condition Set 1												
Weather Dataset	TMY,	TMY, 10km Grid, meteonorm (meteonorm)												
Solar Angle Location	Mete	Meteo Lat/Lng												
Transposition Model	Pere	Perez Model												
Temperature Model	Sandia Model													
Tanananahan Madal	Rack Type					b	b			Temperature Delta				
Temperature Model Parameters	Fixed Tilt				3.56	-(-0.075			3°C				
	Flush Mount			-2	-2.81		-0.0455			0°C				
Soiling (%)	J	F	М	Α	N	1 .	J	J		Α	S	0	N	D
	2	2	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%	6 to 2.	5%											
AC System Derate	0.50%													
Module Characterizations	Mod	ule			Uploaded By			Characterization						
	LR6-72PH-370M (Longi Solar)								Spec Sheet Characterization, PAN					
Component Characterizations	Device Uploaded By Characterization									tion				
	SYM	SYMO 20.0-3-M (400V) (Fronius) Folsom Labs Spec Sheet												



☐ Components									
Component	Name	Count							
Inverters	SYMO 20.0-3-M (400V) (Fronius)	1 (17.5 kW)							
Strings	10 AWG (Copper)	4 (163.2 m)							
Module	Longi Solar, LR6-72PH-370M (370W)	72 (26.6 kW)							

♣ Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone		6-19	Along Racking

Ⅲ Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Flush Mount	Portrait (Vertical)	20°	1.5°	0.0 m	1x1	18	18	6.66 kW
Field Segment 1 (copy)	Flush Mount	Portrait (Vertical)	20°	1.5°	0.0 m	1x1	23	23	8.51 kW
Field Segment 1 (copy 1)	Flush Mount	Portrait (Vertical)	20°	1.5°	0.0 m	1x1	25	25	9.25 kW
Field Segment 1 (copy 2)	Flush Mount	Landscape (Horizontal)	20°	1.5°	0.0 m	1x1	6	6	2.22 kW

