



Project data:		PV plant summary:	
Project name:	Madison Solar	Structure type:	HSAT single row
Country:	EEUU	Module technology:	MonoPERC / Bifacial
COD Date:	Q4 2022	Inverter technology:	Central
Site information:		1/GCR:	2,50
Zone/Datum:		Tilt:	+ 55
Latitude/UTM-X:	37,818	Nº Block A:	16
Longitude/UTM-Y:	-84,285	Nº Block B:	3
Altitude (m.a.s.l.):	250	Nº Block C:	1
Area (ha):			
Structure		Total structures:	2555,5
Manufacturer:	Not defined	Total modules:	275994
Nº modules/structure:	108/54/27	Total strings:	10222
Module position:	1P	Pmax connection point (kW):	100000,0
Structure elevation:	2	P inverter nominal (kVA):	117739,0
PV module size:		Total peak power (kW):	125577,3
JAM72D20-455/MB	2,148 x 1,06	Ratio Pp/Pn POI:	1,256
		Ratio Pp/Pinv cos (φ)=1:	1,067

Power block type	Block A	Block B	Block C
PV module:	JAM72D20-455/MB	JAM72D20-455/MB	JAM72D20-455/MB
Inverter:	Ingecon Sun 3600TL C630	Ingecon Sun 3600TL C630	SG3150U-MV
Nº Modules/string:	27	27	27
Nº Inverters:	2	1	1
Nº Strings/inverter:	284	284	282
Nº Strings:	568	284	282
Nº modules:	15336	7668	7614
Peak power (kWp):	6977,9	3488,9	3464,4
Nominal power (kVA):	6548,0	3274,0	3149,0
Design power (kW):	5752,0	2876,0	2897,0
Ratio Pp/Pn cos φ=1:	1,066	1,066	1,100
Structure number:	142,00	71,00	70,50

- LEGEND**
- BUILDABLE AREA
 - ROADS
 - STRUCTURES
 - POWER STATIONS
 - PLANT SUBSTATION
 - O&M BUILDING
 - WAREHOUSE
 - POWER LINES
 - WATER
 - FENCE
 - PROJECTED BRIDGES
 - ACCESS POINT

REV.	BASED ON LAYOUT	DATE	PURPOSE	DESCRIPTION	
1.9	C02172_P_AE_EN_CST_ERR_990000001	1.0	09/02/2021	FOR INFORMATION	B.D. COMMENTS
1.8	C02172_P_AE_EN_CST_ERR_990000001	1.0	15/01/2021	FOR INFORMATION	NAD83 (2011) Kentucky State Plane Coordinate System, South Zone (US Feet)
1.7	C02172_P_AE_EN_CST_ERR_990000001	1.0	04/11/2020	FOR INFORMATION	PARCEL CHANGES
1.0	C02172_P_AE_EN_CST_ERR_990000001	1.0	24/07/2020	FOR INFORMATION	INITIAL EDITION



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED	
NSRS11.KY-SF	MADISON SOLAR	N/A	P.G.B	N/A	N/A	N/A	
PROJECTION	TITLE						
	GENERAL LAYOUT						
SCALE	ACCIONA CODE	EXTERNAL CODE	DRAW.NUMBER	REVISION	SHEET	DATE	PAPER
0 1000 2000 Feet	C02245_P_AE_EN_LYT_CWS_980000001	N/A	N/A	1.9	01 OF 01	09/02/2021	A3