

voltec 385 toiture inclinée Centre Communal Action Sociale CCAS, 12 Rue Bayard, Charleville-Mézières

Shading Heatmap



Shading by Field Segment

Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 1	15.0°	187.0°	7	2.70 kWp	1,230.1kWh/m ²	2.34 MWh ¹	94.4%	97.6%	92.2%
Field Segment 2	15.0°	96.3°	4	1.54 kWp	1,223.2kWh/m ²	1.33 MWh ¹	92.9%	98.6%	91.7%
Field Segment 4	30.0°	182.1°	16	6.16 kWp	1,281.9kWh/m ²	5.55 MWh ¹	98.3%	97.8%	96.1%
Field Segment 5	45.0°	183.8°	5	1.93 kWp	1,215.2kWh/m ²	1.65 MWh ¹	95.5%	95.4%	91.1%
Totals, weighted by kWp			32	12.3 kWp	1,252.8kWh/m ²	10.9 MWh	96.3%	97.5%	93.9%

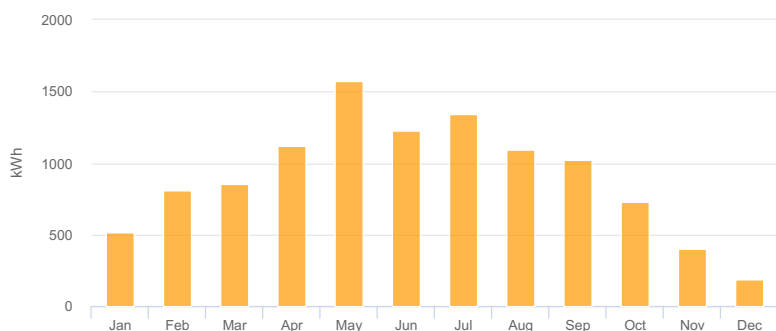
¹ approximate, varies based on inverter performance

² based on location Optimal POA Irradiance of 1,334.2kWh/m² at 30.9° tilt and 175.0° azimuth

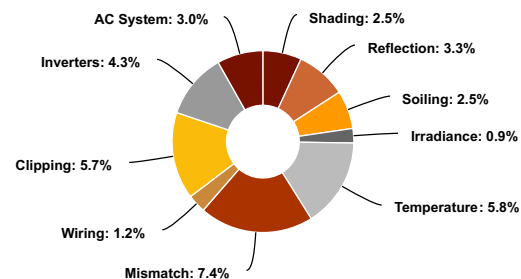
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	97%	99%	98%	98%	97%	97%	97%	98%	99%	98%	98%	96%
Field Segment 2	97%	99%	99%	98%	99%	99%	99%	99%	99%	99%	98%	96%
Field Segment 4	99%	98%	98%	98%	97%	98%	97%	98%	98%	98%	99%	98%
Field Segment 5	98%	95%	95%	95%	95%	96%	96%	94%	94%	95%	97%	98%
Solar Access, weighted by kWp	98.2%	97.9%	97.4%	97.6%	97.2%	97.3%	97.3%	97.3%	97.5%	97.7%	98.1%	97.3%
AC Power (kWh)	513.8	806.8	854.7	1,120.5	1,570.4	1,227.5	1,346.2	1,090.7	1,021.3	732.4	400.1	190.6

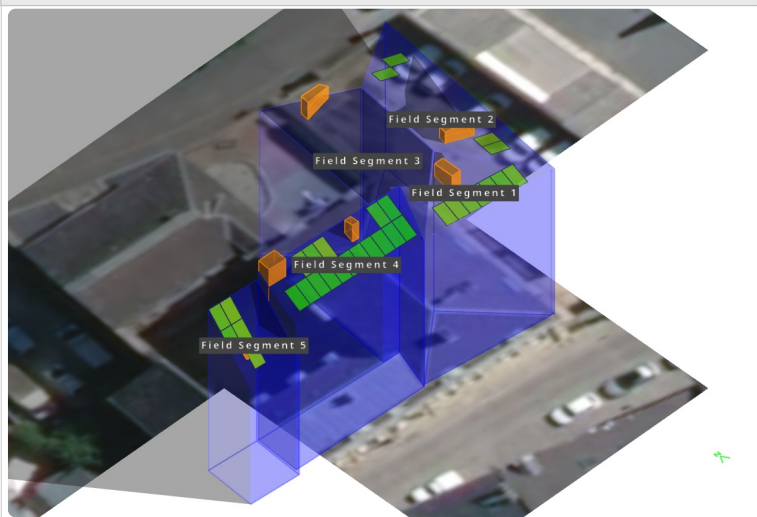
Monthly Production



Sources of System Loss



Southwestern Angle



Southeastern Angle

