

## voltec 385 toiture inclinée COSEC DES MESANGES, 4 Rue des Mésanges, 08000 Charleville-Mézières

### Shading Heatmap



### Shading by Field Segment

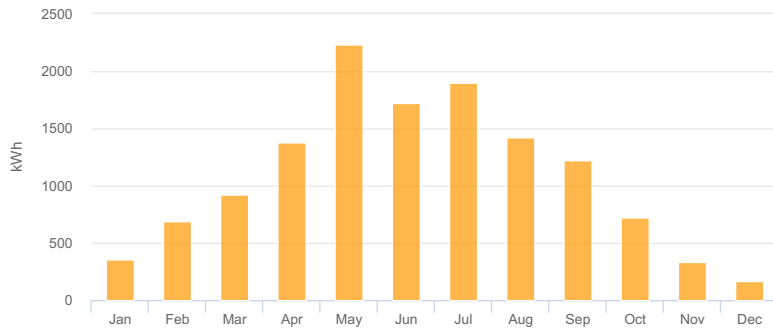
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF <sup>2</sup>	Solar Access	Avg TSRF <sup>2</sup>
Field Segment 1	3.0°	120.3°	12	4.62 kWp	1,143.4kWh/m <sup>2</sup>	4.14 MWh <sup>1</sup>	87.2%	98.3%	85.7%
Field Segment 1 (copy)	3.0°	300.3°	27	10.4 kWp	1,097.6kWh/m <sup>2</sup>	8.91 MWh <sup>1</sup>	82.3%	100.0%	82.3%
<b>Totals, weighted by kWp</b>			<b>39</b>	<b>15.0 kWp</b>	<b>1,111.7kWh/m<sup>2</sup></b>	<b>13.1 MWh</b>	<b>83.8%</b>	<b>99.5%</b>	<b>83.3%</b>

<sup>1</sup> approximate, varies based on inverter performance  
<sup>2</sup> based on location Optimal POA Irradiance of 1,333.8kWh/m<sup>2</sup> at 30.9° tilt and 175.0° azimuth

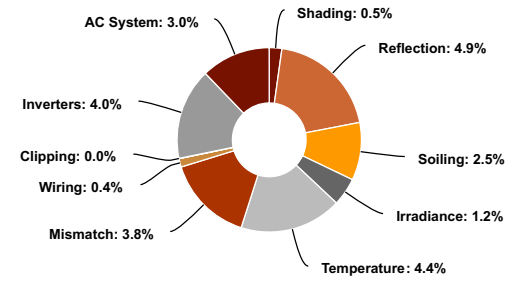
### Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	99%	96%	96%	98%	99%	99%	99%	99%	97%	96%	98%	99%
Field Segment 1 (copy)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>Solar Access, weighted by kWp</b>	<b>99.6%</b>	<b>98.6%</b>	<b>98.7%</b>	<b>99.5%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.6%</b>	<b>99.0%</b>	<b>98.8%</b>	<b>99.4%</b>	<b>99.6%</b>
<b>AC Power (kWh)</b>	<b>353.8</b>	<b>683.5</b>	<b>922.4</b>	<b>1,380.2</b>	<b>2,228.0</b>	<b>1,721.4</b>	<b>1,901.6</b>	<b>1,421.6</b>	<b>1,221.9</b>	<b>719.8</b>	<b>331.5</b>	<b>166.5</b>

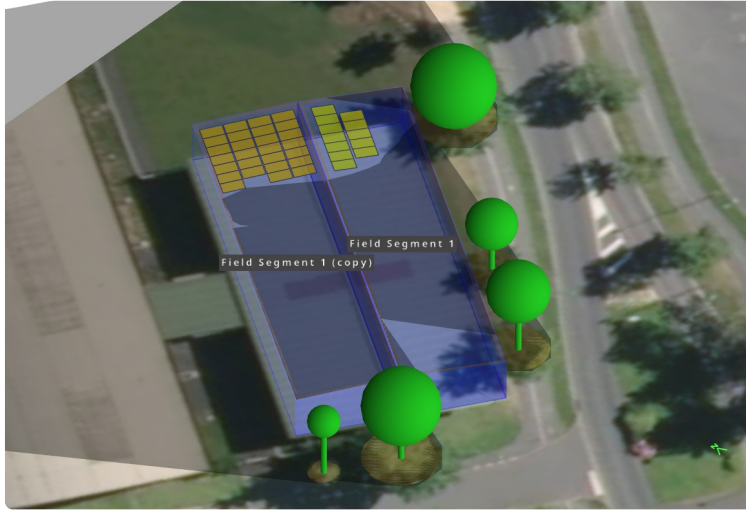
### Monthly Production



### Sources of System Loss



### Southwestern Angle



### Southeastern Angle

