

GATECH-BUNGER-HENRY GeorgiaTech Lab, 778 Atlantic Dr NW, Atlanta, GA 30339

Shading Heatmap



Shading by Field Segment

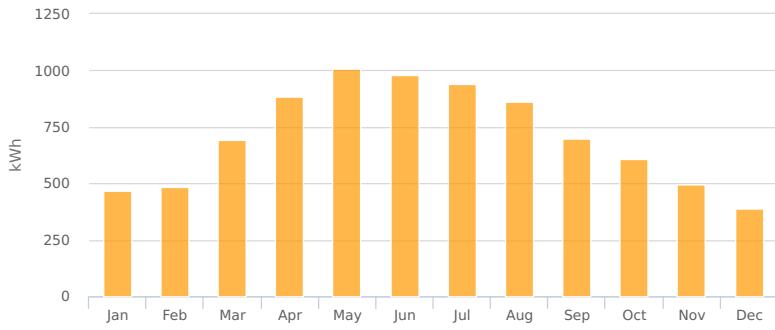
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	TSRF ²
FRONT	10.0°	180.0°	8	2.24 kWp	1,695.8kWh/m ²	2.89 MWh ¹	94.5%	96.0%	90.7%
MIDDLE	10.0°	180.0°	8	2.24 kWp	1,664.9kWh/m ²	2.85 MWh ¹	94.5%	94.3%	89.1%
BACK	10.0°	180.0°	8	2.24 kWp	1,575.9kWh/m ²	2.76 MWh ¹	94.5%	89.2%	84.3%
Totals, weighted by kWp			24	6.72 kWp	1,645.5kWh/m ²	8.50 MWh	94.5%	93.2%	88.0%

¹ approximate, varies based on inverter performance² based on location Optimal POA Irradiance of 1,869.5kWh/m² at 31.6° tilt and 182.4° azimuth

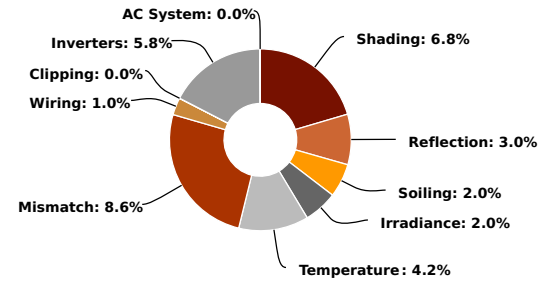
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
FRONT	94%	93%	96%	98%	97%	97%	97%	97%	96%	94%	95%	95%
MIDDLE	92%	90%	92%	93%	96%	97%	97%	95%	94%	94%	95%	94%
BACK	82%	81%	85%	91%	94%	96%	95%	94%	91%	82%	82%	82%
Solar Access, weighted by kWp	89.4%	88.0%	91.1%	93.9%	95.5%	96.3%	96.4%	95.2%	93.6%	89.8%	90.6%	90.4%
AC Power (kWh)	465.7	483.6	694.4	883.8	1,005.2	981.6	937.6	862.9	697.2	605.4	493.8	389.5

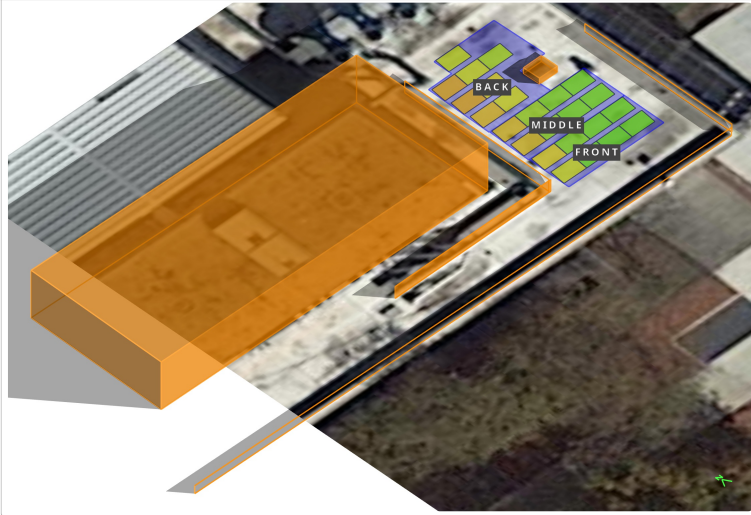
Monthly Production



Sources of System Loss



Southwestern Angle



Southeastern Angle

