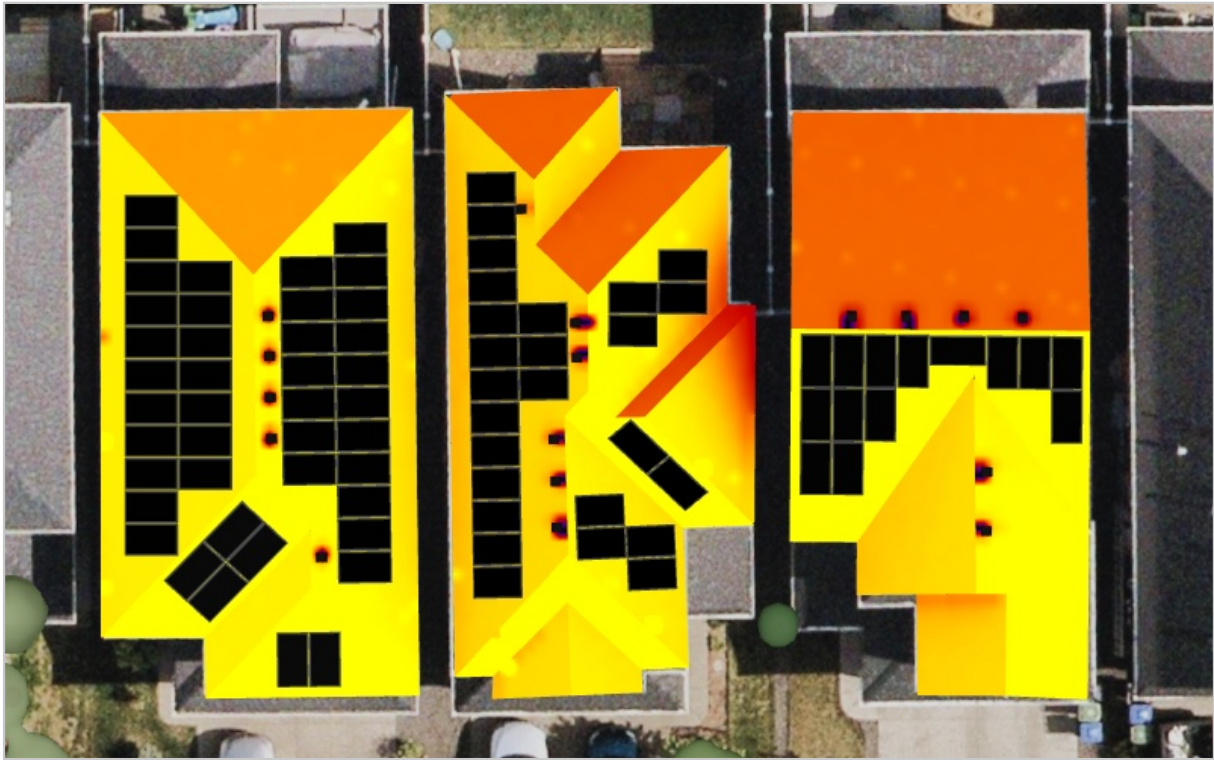


The Sun Box — Solar Analysis



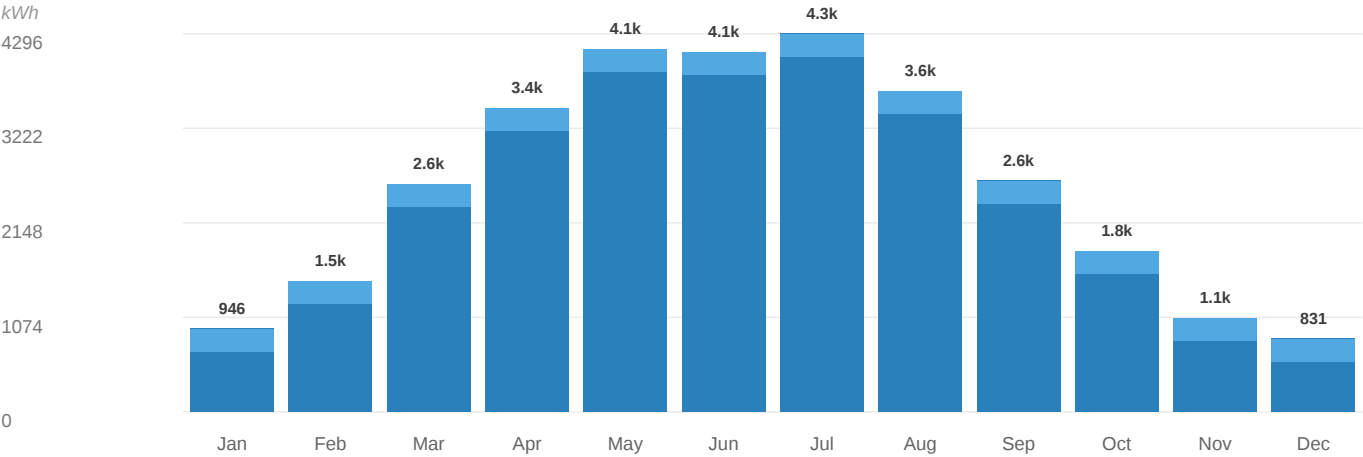
50 W Grove Way SW, Calgary, AB T3H 4B4, Canada

Generated: 7/9/2026 · Location: 51.0559°, -114.1922°

System Overview

System Size 32.80 kW DC	Annual Production 30,950 kWh AC	Efficiency 944 kWh/kW Specific yield	Total Panels 82 9 arrays
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System Monthly Production



Location Weather (TMY)

Annual GHI	Peak Sun	Temp Range	Avg Wind
1294 kWh/m²	3.5 hrs/day	-22.0° to 31.0°C	1.3 m/s

Array 1: Roof 1

Excellent — TSRF 95%

Solar Access (SAV)

97%

Tilt & Orient (TOF)

97%

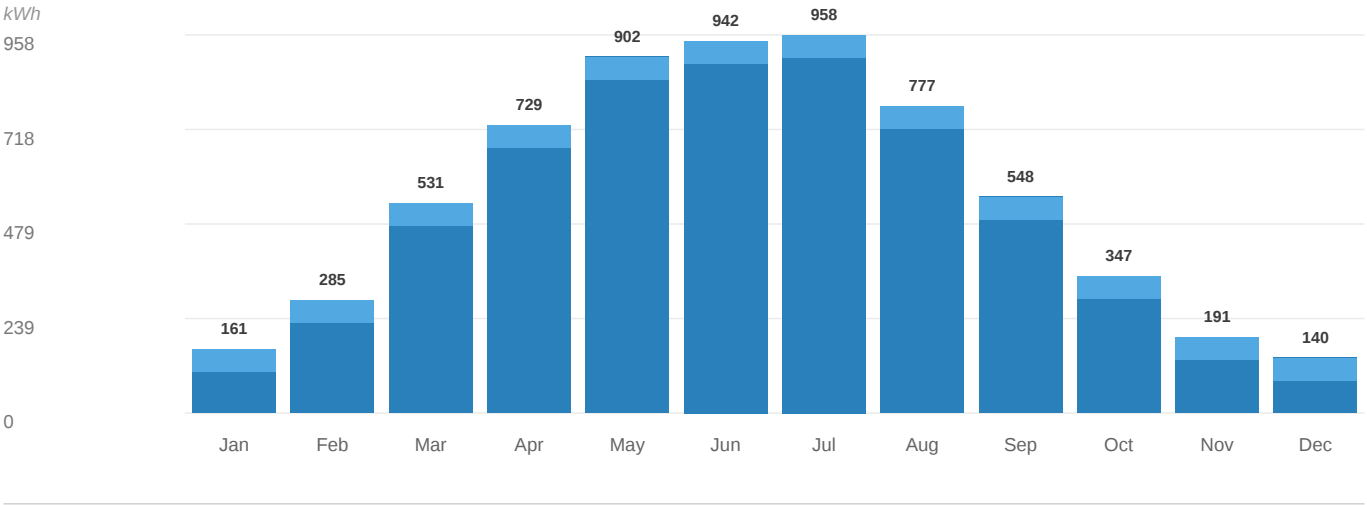
Total Solar (TSRF)

95%

- Panels: 18 (EVERVOLT 400H)
 - DC Size: 7.20 kW
 - Annual Production: 6,511 kWh
 - Efficiency: 904 kWh/kW
 - Inverter: HMS-2000
- Tilt: 18.8°
 - Azimuth: 89.7° (E)
 - Shading Loss: 2.6%
 - System Losses: 14.0%

Panel solar access: 96% – 99% (3pt spread)
Seasonal access: Summer 98% · Winter 96%
Production split: 55% morning · 45% afternoon

Array 1 Monthly Production



Array 2: Roof 2

Excellent — TSRF 91%

Solar Access (SAV)

100%

- Panels: 18
- DC Size: 7.20 kW
- Annual Production: 6,278 kWh
- Efficiency: 872 kWh/kW
- Inverter: DS3-H

Tilt & Orient (TOF)

91%

- Tilt: 19.5°
- Azimuth: 270.5° (W)
- Shading Loss: 0.3%
- System Losses: 14.0%

Total Solar (TSRF)

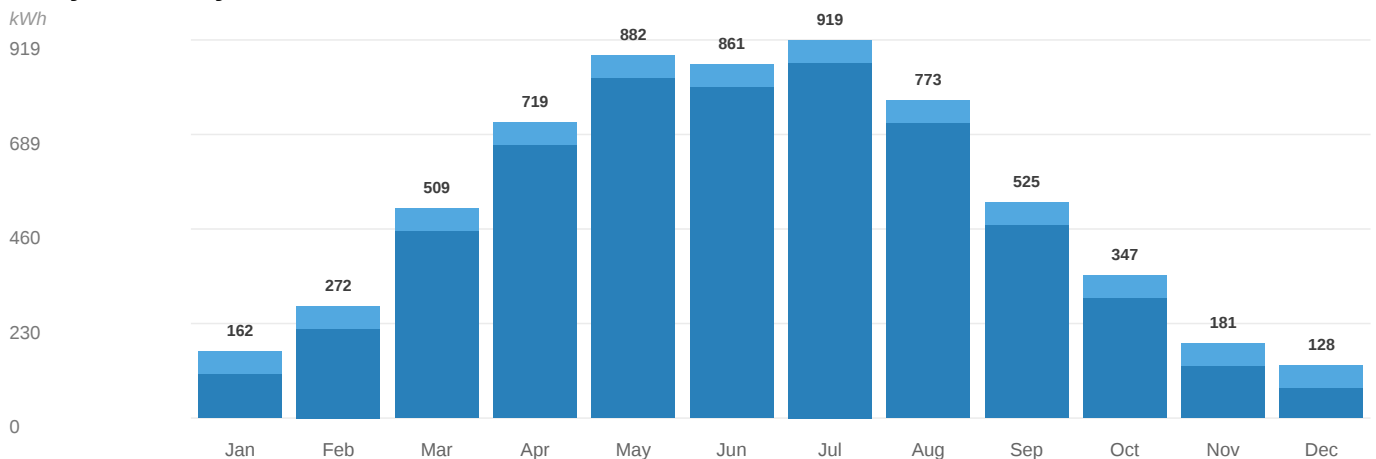
91%

Panel solar access: 100% – 100% (Opt spread)

Seasonal access: Summer 100% · Winter 99%

Production split: 27% morning · 73% afternoon

Array 2 Monthly Production



Solar Access (SAV)

100%

Tilt & Orient (TOF)

100%

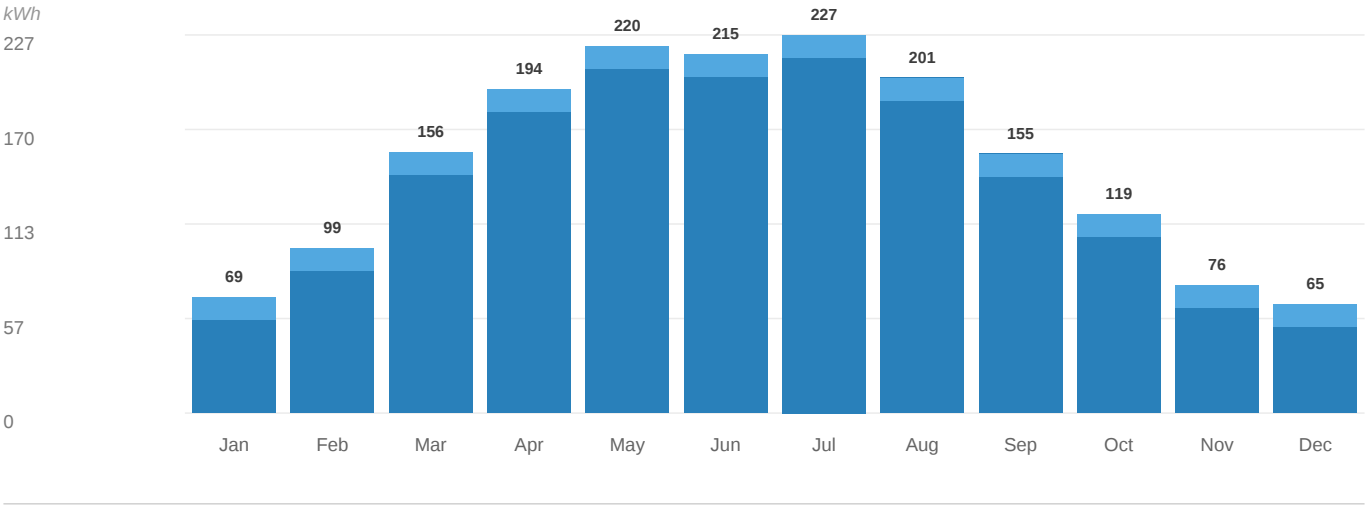
Total Solar (TSRF)

100%

- Panels: 4
 - DC Size: 1.60 kW
 - Annual Production: 1,795 kWh
 - Efficiency: 1,122 kWh/kW
 - Inverter: DS3-H
- Tilt: 18.9°
 - Azimuth: 180.5° (S)
 - Shading Loss: 0.2%
 - System Losses: 14.0%

Panel solar access: 100% – 100% (0pt spread)
Seasonal access: Summer 100% · Winter 99%
Production split: 40% morning · 60% afternoon

Array 3 Monthly Production



Array 4: Roof 4

Excellent — TSRF 100%

Solar Access (SAV)

100%

Tilt & Orient (TOF)

100%

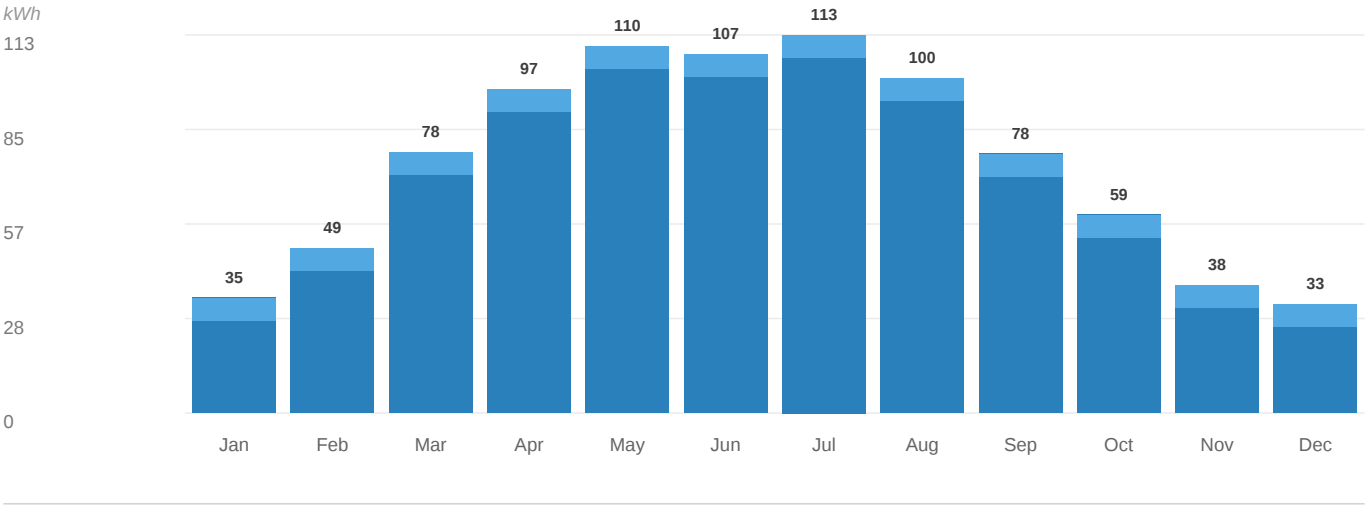
Total Solar (TSRF)

100%

- Panels: 2
 - DC Size: 0.80 kW
 - Annual Production: 898 kWh
 - Efficiency: 1,122 kWh/kW
 - Inverter: DS3-H
- Tilt: 18.8°
 - Azimuth: 179.7° (S)
 - Shading Loss: 0.0%
 - System Losses: 14.0%

Panel solar access: 100% – 100% (0pt spread)
Seasonal access: Summer 100% · Winter 100%
Production split: 40% morning · 60% afternoon

Array 4 Monthly Production



Array 5: Roof 5

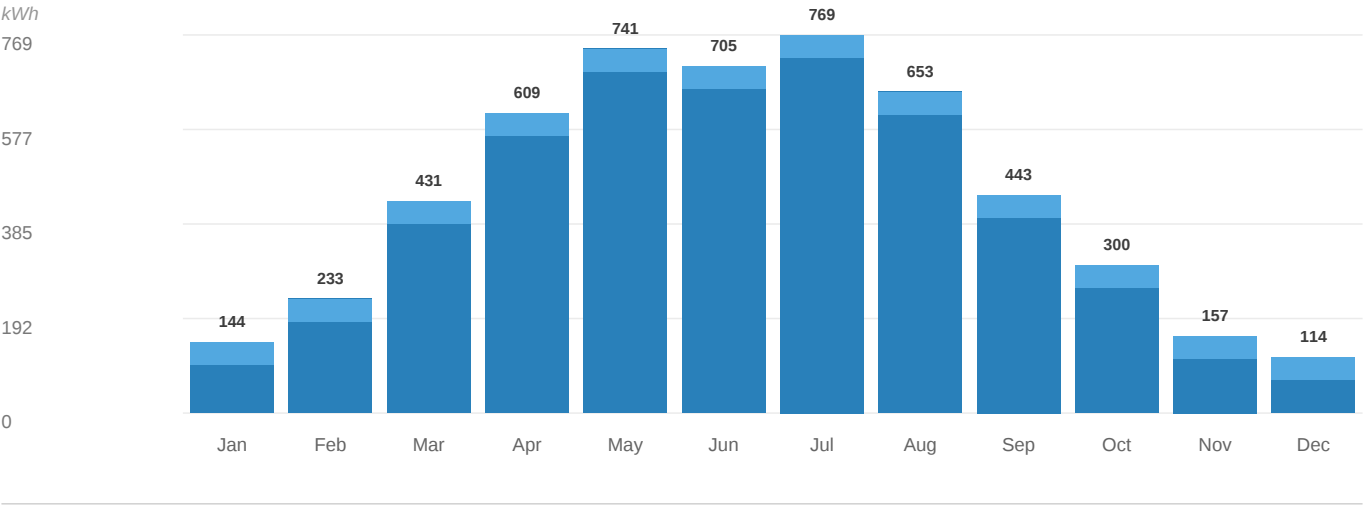
Very Good — TSRF 86%

Solar Access (SAV)	Tilt & Orient (TOF)	Total Solar (TSRF)
98%	88%	86%

- Panels: 16
 - DC Size: 6.40 kW
 - Annual Production: 5,299 kWh
 - Efficiency: 828 kWh/kW
 - Inverter: DS3-H
- Tilt: 30.1°
 - Azimuth: 269.5° (W)
 - Shading Loss: 2.4%
 - System Losses: 14.0%

Panel solar access: 97% – 99% (2pt spread)
Seasonal access: Summer 98% · Winter 97%
Production split: 21% morning · 79% afternoon

Array 5 Monthly Production



Array 6: Roof 6

Excellent — TSRF 91%

Solar Access (SAV)

94%

- Panels: 4
- DC Size: 1.60 kW
- Annual Production: 1,393 kWh
- Efficiency: 870 kWh/kW
- Inverter: DS3-H

Tilt & Orient (TOF)

96%

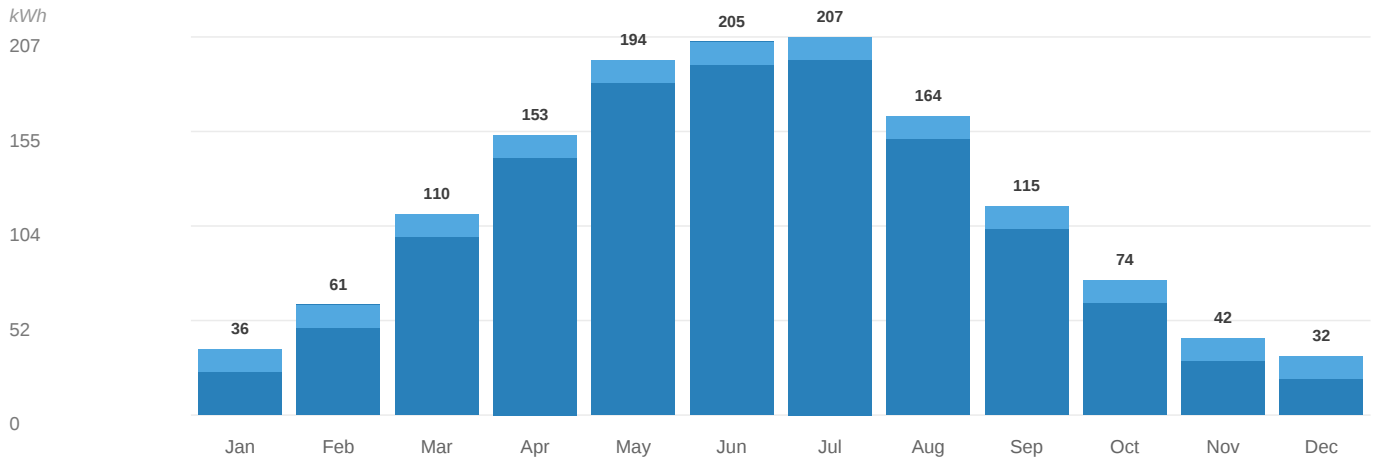
- Tilt: 30.1°
- Azimuth: 90.9° (E)
- Shading Loss: 5.9%
- System Losses: 14.0%

Total Solar (TSRF)

91%

Panel solar access: 89% – 98% (9pt spread)
Seasonal access: Summer 97% · Winter 90%
Production split: 62% morning · 38% afternoon

Array 6 Monthly Production



Array 7: Roof 7

Excellent — TSRF 100%

Solar Access (SAV)

98%

Tilt & Orient (TOF)

100%

Total Solar (TSRF)

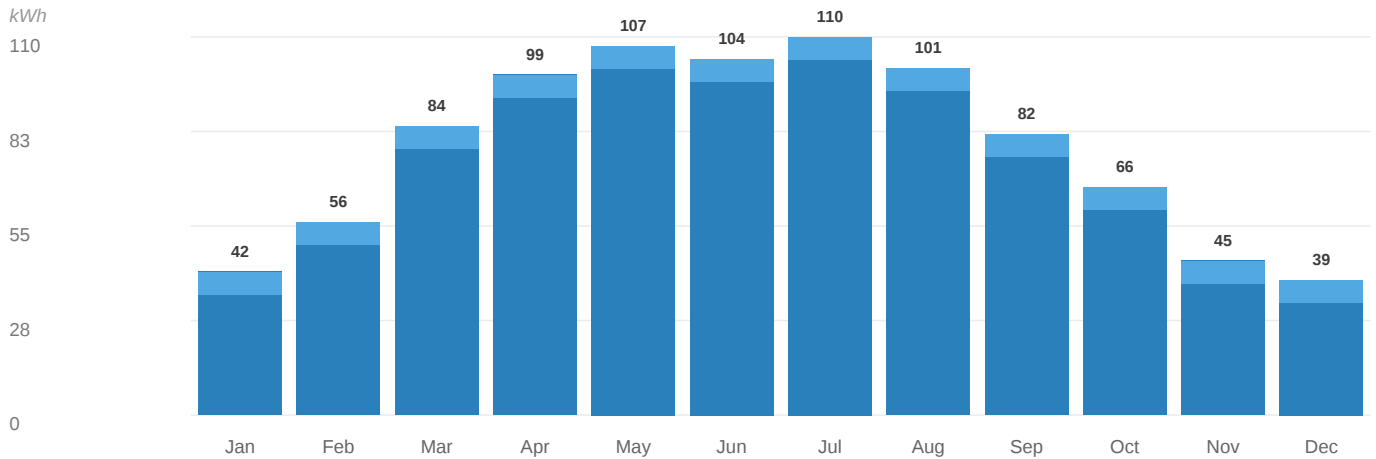
100%

- Panels: 2
- DC Size: 0.80 kW
- Annual Production: 935 kWh
- Efficiency: 1,169 kWh/kW
- Inverter: DS3-H

- Tilt: 30.1°
- Azimuth: 178.1° (S)
- Shading Loss: 2.3%
- System Losses: 14.0%

Panel solar access: 97% – 98% (1pt spread)
Seasonal access: Summer 99% · Winter 96%
Production split: 41% morning · 59% afternoon

Array 7 Monthly Production



Array 8: Roof 8

Excellent — TSRF 92%

Solar Access (SAV)

97%

Tilt & Orient (TOF)

95%

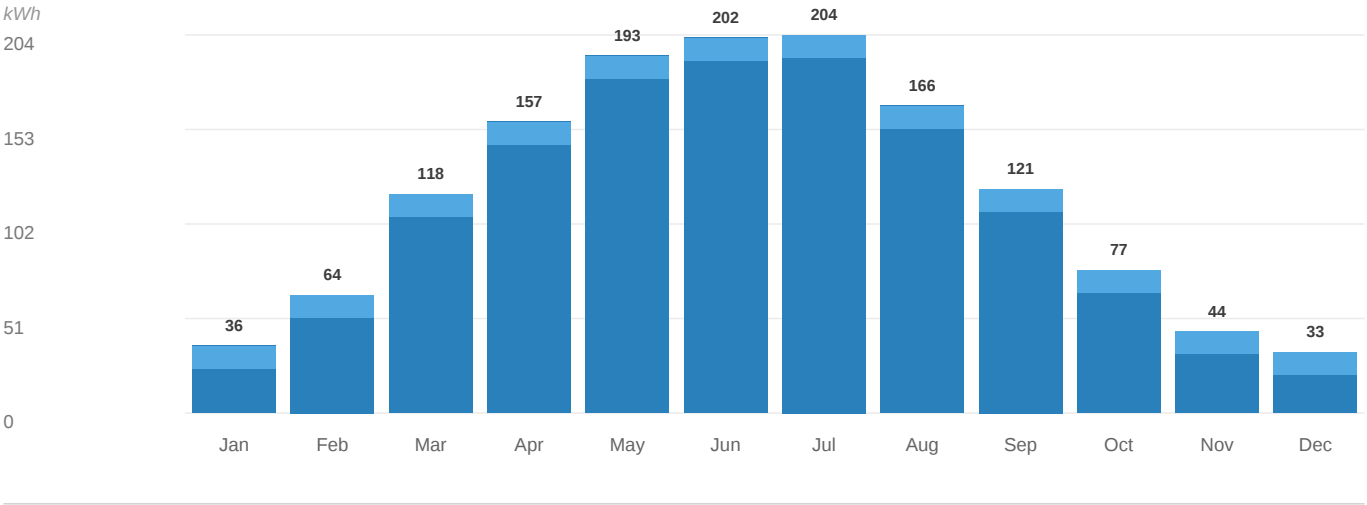
Total Solar (TSRF)

92%

- Panels: 4
 - DC Size: 1.60 kW
 - Annual Production: 1,413 kWh
 - Efficiency: 883 kWh/kW
 - Inverter: DS3-H
- Tilt: 30.1°
 - Azimuth: 88.1° (E)
 - Shading Loss: 3.0%
 - System Losses: 14.0%

Panel solar access: 95% – 98% (3pt spread)
Seasonal access: Summer 97% · Winter 97%
Production split: 63% morning · 37% afternoon

Array 8 Monthly Production



Array 9: Roof 9

Excellent — TSRF 100%

Solar Access (SAV)

100%

Tilt & Orient (TOF)

100%

Total Solar (TSRF)

100%

- Panels: 14
 - DC Size: 5.60 kW
 - Annual Production: 6,428 kWh
 - Efficiency: 1,148 kWh/kW
 - Inverter: DS3-H
- Tilt: 22.9°
 - Azimuth: 180.9° (S)
 - Shading Loss: 0.5%
 - System Losses: 14.0%

Panel solar access: 98% – 100% (2pt spread)
Seasonal access: Summer 100% · Winter 99%
Production split: 40% morning · 60% afternoon

Array 9 Monthly Production

