## Solar Offset Program Calculator (SOPC)

Project Title: per home TDV energy equivalency

Number of Inverters per Site with Identical Design Details: 1

PV Module: SunPower PL-PLT-63L-BLK-U

Standoff Height: Building Integrated

Mounting Height: Two-Story — 22 ft

Number of Series Modules in each String: 20

Number of Parallel Strings per Inverter: 2

Tracking: Fixed

Roof Pitch: 5:12 — Tilt: 22.6 degrees

Azimuth: 170 degrees

Inverter: Xantrex Technology GT2.8-NA-240/208 (240V)

City: Arcata — Climate Zone: 1

☑ Minimal Shading

Run Status:

Add Shading Detail — Run — SOPC 1.0 SOPM101/SOPI101

The Solar Offset Program Calculator uses the CECPV model which implements the "5 parameter" public domain algorithms published by Beckman, W.A., et.al., Solar Energy: 80 (2006) 78-88.

# Solar Offset Program Calculator - Results

| kWh Production | |
|---|---|
| January | 150.5 |
| Febuary | 179.2 |
| March | 233.5 |
| April | 335.2 |
| May | 367.4 |
| June | 342.8 |
| July | 335.2 |
| August | 306.7 |
| September | 277.8 |
| October | 238.1 |
| November | 132.6 |
| December | 132.9 |
| Annual | 3,032 |

| | |
|---|---|
| kW AC system size | 2.07 |
| Annual kWh | 3,032 |
| TDV (kWh) | 45,160 |

Print Results/Inputs

View Compliance Form

Run Another Simulation