Solar Offset Program Calculator (SOPC)

Project Title: estimated cost savings

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: Enter Tilt — Tilt: 0 degrees

Azimuth: 0 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	102.6
Febuary	138.8
March	204.6
April	313.3
May	368.5
June	353.4
July	345.3
August	300.1
September	249.4
October	186.3
November	99.7
December	86
Annual	2,748

kW AC system size	2.07
Annual kWh	2,748
TDV (kWh)	42,056

Print Results/Inputs

View Compliance Form

Run Another Simulation

SOPC 1.0 SOPM101/SOPI101