



# EOS Estate Winery

Paso Robles, California



EOS Estate Winery is the first and largest winery on California's Central Coast to meet all of its energy needs using solar power. The Conergy solar PV and thermal systems provide the electric and heat energy for both the winery and visitor center. The solar PV system powering the winery alone covers more than two acres with ground-mounted tracking solar arrays.

Conergy's state-of-the-art tracking system maximizes the winery's solar energy harvest daily, delivering over 15% more energy than fixed-tilt technology by following the sun from east to west. A ground-mounted fixed-tilt solar system powers the tasting room and a roof-mounted Solar Thermal System provides the winery's water heating needs.

## Discover solar energy:

[www.conergy.us](http://www.conergy.us) | [info@conergy.us](mailto:info@conergy.us) | (888) 396-6611

Over the next 25 years, EOS's environmental stewardship will have a positive impact equivalent to planting 360 trees or reducing CO2 emissions by over 21,000 tons or by simply not driving 68 million miles. In addition, a combination of strong state and federal incentives for solar PV and thermal systems together with the elimination of annual utility costs, allows EOS to enjoy a projected 25 year savings of over \$10 million. From an energy independence perspective, EOS has secured its price and supply of electricity for at least 25 years.

For added peace of mind, Conergy will remotely monitor the systems and provide preventative maintenance services ensuring years of worry-free operation and economic return on EOS's solar energy investment. EOS and Conergy have partnered to provide a reliable, cost saving and environmentally sound energy strategy.

|  | Winery PV Tracker     | Visitor Center PV Fixed-Tilt | PV System Totals | Solar Thermal      | All Solar Totals |
|--|-----------------------|------------------------------|------------------|--------------------|------------------|
| <b>System Size &amp; Performance</b>                 |                       |                              |                  |                    |                  |
| Peak Power Rating (kWp)                              | 504                   | 36                           | 540              |                    | 540              |
| Module/Collector Quantity & Type                     | 2,880 Conergy S 175MU | 204 Conergy S 175MU          | 3,084            | 100 Conergy F 4000 | 3,184            |
| Inverters  | 2 Xantrex GT250       | 6 SMA SB6000US               | 8                |                    | 8                |
| Water Storage Tank Capacity (Gallons)                |                       |                              |                  | 3,000              | 3,000            |
| Annual Electric Energy Production (kWh) <sup>1</sup> | 1,007,942             | 55,559                       | 1,063,501        |                    | 1,063,501        |
| <b>Environmental Benefits</b>                        |                       |                              |                  |                    |                  |
| Tons of CO2 Emissions Reduced over 25 years          | 19,764                | 1,107                        | 20,871           | 2,500              | 23,371           |
| Equivalent Miles Not Driven                          | 64,317,592            | 3,602,426                    | 67,920,018       | 8,135,776          | 76,055,794       |
| Equivalent Acres of Trees Planted                    | 339                   | 19                           | 358              | 43                 | 401              |