

# DUCK SUN MODESTO - DAILY FORECAST

Modesto, CA | Friday, December 12, 2025 | 8-Day Outlook

## FOG ALERT: 18 CRITICAL HOURS DETECTED - SOLAR PRODUCTION IMPACT

| CONDITION      | Fog    | Fog    | Fog    | Overcast | Overcast | Light Drizz. | Overcast | Light Drizz. |
|----------------|--------|--------|--------|----------|----------|--------------|----------|--------------|
| DAY            | TODAY  | Sat    | Sun    | Mon      | Tue      | Wed          | Thu      | Fri          |
| DATE           | 12/12  | 12/13  | 12/14  | 12/15    | 12/16    | 12/17        | 12/18    | 12/19        |
| OPEN-METEO     | 44/39F | 45/41F | 58/38F | 64/48F   | 66/51F   | 67/51F       | 59/46F   | 54/52F       |
| (Precip %)     | 0%     | 0%     | 1%     | 1%       | 32%      | 32%          | 25%      | 39%          |
| NWS (US Gov)   | 44/39F | 44/39F | 43/40F | 51/42F   | 56/45F   | 59/50F       | 56/48F   | 56/50F       |
| MET.NO (ECMWF) | 43/37F | 51/37F | 54/38F | 54/39F   | 60/44F   | 65/54F       | 57/46F   | 56/44F       |
| CONSENSUS AVG  | 44/38F | 47/39F | 52/39F | 56/43F   | 61/47F   | 64/52F       | 57/47F   | 55/49F       |
| (# sources)    | 3/3    | 3/3    | 3/3    | 3/3      | 3/3      | 3/3          | 3/3      | 3/3          |

### TOMORROW'S DUCK CURVE (HE09-HE16) | Dec 13

| HE09   | HE10    | HE11    | HE12    | HE13    | HE14     | HE15     | HE16    |
|--------|---------|---------|---------|---------|----------|----------|---------|
| 8 W/m² | 16 W/m² | 24 W/m² | 28 W/m² | 32 W/m² | 186 W/m² | 133 W/m² | 89 W/m² |
| CRIT   | CRIT    | CRIT    | CRIT    | CRIT    | LOW      | LOW      | LOW     |

Sources: Open-Meteo (GFS/ICON/GEM) | NWS (US Government) | Met.no (ECMWF European Model) | Risk: CRIT=85% loss, HIGH=60% loss, MOD=30% loss