

**NET METERED (GRID TIED) SOLAR ARRAY—STOUT RESIDENCE
N. FERRISBURGH, VERMONT**

Technical:

4,860 watt DC rated output
5,300 kwh/year AC production (anticipated)
27 x 180 watt Sunwize panels; 30 degree tilt
3 strings (9 panels) @ 390 volts DC to
Solectria 5000 inverter
Installer: Donald Schroeder, Master Electrician

Financial:

\$0.138 per kwh in avoided electrical cost
\$0.06 per kwh utility payment for solar output
\$8,500 state rebate
30% federal tax credit
\$11,500 final installed cost for system
on owner installed wood ground frame



Solar Array with
30 degree pitch for
maximum spring-
summer-fall gains.



5000 watt inverter mounted by panel in basement



Detail of solar panels

AC Watts by Minute for Stout--1/23 to 2/3/2010

