Dr. Andy Angyal
7149 Ludgate Rd.
Gibsonville, NC 27249

Solar Thermal Collector
- Make: Chromagen
- Size: (2) 4'x8'
- Warranty: 10 yr.

Solar Water Heater Tank
- Make: Richmond, by REEM with heat exchanger
- Capacity: 80 Gal.
- Back up heater: 4500 Watt electric element
- Warranty: 6 yr.

Temperature Control
- Make: GoldLine GL30
- Voltage: 120 VAC
- Warranty: 5 yr.

Heat transfer fluid
- Propylene glycol (food grade)

Figure 1: Typical Configuration for an Indirect Glycol/antifreeze System

Installed By:
Honey electric solar, Inc.
Liberty, NC
(336) 438-9786
www.honeyelectricsolar.com
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PV System Installed: August 2006

PV System Specifications
- Total PV Peak Power: 3,000 Watts peak
- 48 Volts DC configuration
- System AC output: 7,200 Watts
- AC voltage: 240V
- NC GreenPower connected
- Duke Energy, Small Customer Generator Rider (SCG)
- Avg. Daily Production: 11 KWH/day

PV Modules
(15) GEPVp-200
(54 multicrystalline silicon solar cells connected in series)
- Peak power DC: 200 Watts
- Nominal Voltage: 26.3 Volts
- Short-circuit current (Isc): 8.1A

Mounting
UniRac Solar Mount
(15) Modules, (5) strings of (3)

OutBack Power Systems PS2
(2) Inverters, OutBack GVFX3648
(Grid-tie, vented inverters supported by batteries)
- System AC output: 7,200 Watts
- Output AC voltage: 240V

(2) MX60 Charge Controllers
(Max power point tracking, MPPT)

Batteries
(8) Deka, 8L16
- 6 volts
- 400 Amp hr. total battery storage
(2 days with normal use - NO HAIR DRYERS!)

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