

# DAHSE-WALK HOUSEHOLD ELECTRICAL LOADS

You can easily run all of this stuff on thirteen, 120-130 watt solar panels charging four, 375 amp-hour, 6-volt storage batteries. (Not all at once, of course!)

## GENERAL HOUSEHOLD SYSTEMS

23 **Lights** (6 Compact Fluorescent, 16 Halogens, and 1 LED – all DC)  
Water **Pressure Pump** (12-volt DC)  
10 gal. **Water Heater** (diverted solar DC)  
DC Composting Toilet **Fan**  
DC Ceiling **Fan**  
AC Table **Fan**  
Battery **Chargers** for Cordless Tools  
Battery **Chargers** for Rechargeable Batteries

## AUDIO EQUIPMENT

Stereo **Preamplifier-Tuner**  
1000 watt Subwoofer **Amplifier** (DC)  
2 Mini-Disk **Recorder/Players**  
**CD Player**  
Dual **Tape Deck**  
Frequency Band **Equalizer**  
AM/FM/Short-wave **Radio** (DC)

## VIDEO EQUIPMENT

19" Widescreen Digital LCD **Color TV** (DC)  
Amplified External **Antenna** (DC)  
Additional internal **video amplifier**  
1 VHS **VCR**  
1 Hard Drive/**DVD Recorder**

## CRAFT EQUIPMENT

**Iron, Soldering Iron and Woodburning Tool**

## OFFICE EQUIPMENT

2 Laptop **Computers**  
Color Ink Jet **Printer**  
DVD/CD **Recorder**  
**USB Hub** (DC)  
Telular stationary Cell **Phone System** (DC)  
Wild Blue Satellite **modem**

## HOUSEHOLD EQUIPMENT

KitchenAid **Mixer**  
Phillips "Stick" **Blender**  
1 HP **Flour Mill** (DC)  
9-amp Canister **Vacuum Cleaner**  
Staber **Washing Machine**  
Small 75 watt **Refrigerator** (diverted solar DC)  
Home-made 12-volt, 1200-watt **DC oven**

## OUTDOOR EQUIPMENT

AC **Bench Grinder**  
16" Cordless **Lawn Mower** (solar DC charge)  
12-volt Cordless **String Trimmer**  
G.E. Electrak **Garden Tractor** w/mower & tiller (36-V, direct from the solar panels)  
1/2 HP **Apple Grinder** (for apple press)  
1/3 HP **Irrigation Pump** (for garden)  
12 volt Electric **Fence Charger** (DC)  
**2 Electric Tricycles** w/ 36-volt Nano-Lithium battery packs charged directly from solar  
**1979 Porsche 924**, converted to electric drive, charged with an on-board AC charger or directly from all 13 PV panels as 48-volt DC

**Careful consumption and conservation are the keys to a successful alternative energy home.**

The solution to pollution is  
the solar revolution!