The Morningstar Home
“The Solar Power is yours!”
Designed by:
The Planeteers

Transportation:
For transportation, our house could be split up into many different modules, the smaller modules would then be placed inside of the larger modules for the duration of the trip. Then they would be removed and reassembled on the site in Washington D.C.

Materials:
Low-e Double Paned Windows
Solar Thermal Heat Collectors
Brick Patio
Photovoltaic Panels
Total Area: 497 square feet
Radiant Heat under Wood Floor
Radiant heat is extremely energy efficient
Radiant Heat under Ceramic Tile
Ceramic tile absorbs the sun’s heat during the day and radiates heat at night
6” Structurally Insulated Panels
Provide structural support and insulation at the same time
Wood Deck
Allows interior space to extend to the outdoors using a renewable resource
Partial Photovoltaic Glass Panes
Single 6” x 6” Solar cells suspended in low-e double pane window
Optional Roof Garden or Greenhouse
Helps to absorb heat from mooring
Wood Siding Panels for easy Transportation