The AllEarth PowerFlower is a revolutionary new product that offers an artistic twist on our AllEarth Solar Tracker. This beautiful grid-tied, dual-axis solar tracker is ideal for both commercial and residential settings. The PowerFlower boasts custom solar petals (PV panels) and a dark green powder-coated tripod stem (base).

PowerFlower Key Features

**Solar You Want to See**
Gone are the days of hiding your solar system. This statement piece not only generates power, but looks great while doing so.

**Quick and Easy Installation**
No concrete or digging, for the foundation. Only one screw-in anchor to firmly secure your PowerFlower to the ground.

**Plug and Play Power-Up Option**
Normally direct wired to a 240 VAC circuit breaker. This system also allows you to wire into a 120 VAC outlet with an optional power converter.
# AllEarth PowerFlower Technical Specifications

## Dimensions

<table>
<thead>
<tr>
<th></th>
<th>PowerFlower</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of modules</td>
<td>8</td>
</tr>
<tr>
<td>Module area</td>
<td>134 ft²</td>
</tr>
<tr>
<td>Maximum height</td>
<td>16 ft</td>
</tr>
<tr>
<td>Height when flat</td>
<td>9 ft</td>
</tr>
<tr>
<td>Width</td>
<td>17 ft</td>
</tr>
<tr>
<td>Weight (complete system)</td>
<td>800 lbs</td>
</tr>
<tr>
<td>Minimum clear diameter</td>
<td>26 ft</td>
</tr>
<tr>
<td>Module configuration</td>
<td>Circular</td>
</tr>
</tbody>
</table>

## Inverter
- Four MPPT input inverter (1400 watts at 240 VAC)

## Module
- 48-cell high-efficiency modules

## Structure/materials
- Freestanding tripod with ground anchor, galvanized steel components

## Motor type
- Two 88-watt DC drive gearmotors

## Yaw drive (azimuth)
- Electric motor/ timing belt drive

## Tilt (elevation)
- Electric motor/ timing belt drive

## Yaw range E/W
- 0 to 270°

## Tilt range N/S
- 0 to 60°

## Solar tracking method
- GPS, sun calculation based, microprocessor controller

## Wind protection
- Automatic algorithm, stows flat at 30mph

## Annual power consumption
- <1% of system output

## Operation
- Self-powered

## Connection type
- Grid-tied/ battery back up for controls

## Communication
- WiFi, cellular, and data card

## Foundation type
- Tripod with screw-in anchor and turnbuckle tensioning system

## Nighttime stow
- Stows flat at sunset

## Module attachment
- Innovative corrosion-proof fasteners; no gaps between modules

## Warranty
- Limited 5-year warranty

## Frame
- Powder-coated painted steel frame

## Manufacturing location
- USA

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### The PowerFlower Custom Petals (PV Panels)

- 250 watt high efficiency mono-silicon photovoltaics (2000 watts total)
- Anti-glare tempered glass with an aluminum frame
- 25-year limited warranty

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